

Apéndice B: Descripción de las tablas de la base de datos del CSLR

Descripción de las tablas de la base de datos del CSLR

addition_question_stream

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	BIGINT(20)		NN				
story_id	VARCHAR(100)		NN				
chapter_id	INTEGER(11)		NN				
page_id	INTEGER(11)		NN				
question_id	INTEGER(11)		NN				
result_stream	LOB		NN				
IndexName	IndexType	Columns					
question_have_more_stream_fk	Index	story_id chapter_id page_id question_id session_id					

all_stream

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
sid	LONGLOB		NN				
tname	VARCHAR(11)		NN				

alphabet_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
cmu_word	VARCHAR(40)		NN				
cmu_word_length	INTEGER(11)		NN				
cmu_word_cvt	VARCHAR(40)		NN				
cmu_phoneme	VARCHAR(250)		NN				
cmu_phoneme_cvt	VARCHAR(30)		NN				
cmu_phoneme_count	INTEGER(11)		NN				
cmu_have_picture	VARCHAR(1)		NN				
cmu_foils	LONGTEXT		NN				
cmu_syl_count	INTEGER(11)		NN				
cmu_syl	VARCHAR(200)		NN				
query_type	VARCHAR(1)		NN				

aplan_state

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
aplan_s_id	INTEGER(11)	PK	NN				
aplan_id	INTEGER(11)		NN				
aplan_s_name	VARCHAR(200)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	aplan_s_id					
aplan_state_pk	Index	aplan_s_id					
auto_plan_have_state_fk	Index	aplan_id					

aplan_state_link

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
aplan_link_id	INTEGER(11)	PK	NN				
link_from	INTEGER(11)		NN				
link_to	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	aplan_link_id					
aplan_state_link_pk	Index	aplan_link_id					
link_from_fk	Index	link_from					
link_to_fk	Index	link_to					

aplan_state_link_condition

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
aplan_link_id	INTEGER(11)	PK	NN				
tutor_abbr	VARCHAR(30)	PK	NN				
target_level	VARCHAR(50)		NN				
target_ratio	VARCHAR(50)		NN				
target_times	VARCHAR(50)		NN				
target_operator	VARCHAR(100)		NN				
target_timer	VARCHAR(100)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	aplan_link_id tutor_abbr					
aplan_state_link_condition_pk	Index	aplan_link_id tutor_abbr					
link_have_condition_fk	Index	aplan_link_id					
tutor_in_link_fk	Index	tutor_abbr					

assess_record_incorrect

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)		NN				
assess_id	BIGINT(20)		NN				
word	VARCHAR(100)		NN				
IndexName	IndexType	Columns					
assess_need_record_fk	Index	user_id assess_id					

assess_session

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
assess_id	BIGINT(20)	PK	NN				
assess_create_date	VARCHAR(40)		NN				
assess_finish	VARCHAR(1)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	user_id assess_id					

assess_session_pk	Index	user_id assess_id
user_have_assess_fk	Index	user_id

assess_sound_default

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
s_text	TEXT	PK	NN				
s_f_stream	LONGBLOB		NN				
s_m_stream	LONGBLOB		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	s_text					
assess_sound_default_pk	Index	s_text					

auto_study_plan

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
aplan_id	INTEGER(11)	PK	NN				
aplan_name	VARCHAR(200)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	aplan_id					
auto_study_plan_pk	Index	aplan_id					

book_sound_default

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
b_string	TEXT	PK	NN				
b_m_stream	LONGBLOB		NN				
b_f_stream	LONGBLOB		NN				
b_time	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	b_string					
book_sound_default_pk	Index	b_string					

bug_comment

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
componentid	INTEGER(11)	PK	NN				
bugid	INTEGER(11)	PK	NN				
commentid	INTEGER(11)	PK	NN				
description	TEXT		NN				
status	INTEGER(11)		NN				
date	VARCHAR(40)		NN				
commenter	VARCHAR(100)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	componentid bugid commentid					
bug_comment_pk	Index	componentid bugid commentid					
bug_has_comment_fk	Index	componentid bugid					

bug_report

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
bugid	INTEGER(11)	PK	NN				
commentid	INTEGER(11)		NN				
componentid	INTEGER(11)		NN				
summary	TEXT		NN				
assignee	VARCHAR(200)		NN				
last_status	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	bugid					
bug_report_pk	Index	bugid					

chapter_info

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
chapter_order	INTEGER(11)		NN				
show_chapter	VARCHAR(10)		NN				
chapter_title	VARCHAR(200)		NN				
explanation	TEXT		NN				
question_intro	TEXT		NN				
chapter_icon	VARCHAR(100)		NN				
chapter_stream	LOB		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	story_id chapter_id					
chapter_info_pk	Index	story_id chapter_id					
chapter_in_story_fk	Index	story_id					

comments

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
componentid	INTEGER(11)	PK	NN				
comm_id	BIGINT(20)	PK	NN				
comm_user	VARCHAR(200)		NN				
comm_detail	TEXT		NN				
comm_date	VARCHAR(40)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	componentid comm_id					
comments_pk	Index	componentid comm_id					
component_have_comment_fk	Index	componentid					

character_info

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
character_id	INTEGER(11)	PK	NN				
character_name	VARCHAR(100)		NN				
character_icon	VARCHAR(100)		NN				
character_stream	LONGBLOB		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	story_id character_id
character_info_pk	Index	story_id character_id
character_in_story_fk	Index	story_id

component

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
componentid	INTEGER(11)	PK	NN				
productid	INTEGER(11)		NN				
componentname	VARCHAR(200)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	componentid
component_pk	Index	componentid
product_have_component_fk	Index	productid

comprehensive_dialog

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
question_id	INTEGER(11)	PK	NN				
question_order	INTEGER(11)		NN				
obj_type	VARCHAR(50)		NN				
question_type	VARCHAR(50)		NN				
question_xpos	INTEGER(11)		NN				
question_ypos	INTEGER(11)		NN				
question	TEXT		NN				
answer	TEXT		NN				
explanation	TEXT		NN				
right_answer	TEXT		NN				
wrong_answer	TEXT		NN				
obj_choices	TEXT		NN				
question_active	VARCHAR(1)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	story_id chapter_id page_id question_id
comprehensive_dialog_pk	Index	story_id

comprehensive_in_group_fk	Index	chapter_id page_id question_id story_id chapter_id page_id
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default_product_assignee

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
productid	INTEGER(11)	PK	NN				
asn_email	VARCHAR(200)	PK	NN				
asn_fname	VARCHAR(50)		NN				
asn_lname	VARCHAR(50)		NN				
asn_mname	VARCHAR(20)		NN				
asn_bug	VARCHAR(1)		NN				
asn_comment	VARCHAR(1)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	productid asn_email					
default_product_assignee_pk	Index	productid asn_email					
product_have_assigner_fk	Index	productid					

domain_info

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
dm_id	INTEGER(11)	PK	NN				
dm_name	VARCHAR(200)		NN				
dm_picture	VARCHAR(20)		NN				
dm_order	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	dm_id					
domain_info_pk	Index	dm_id					

elr_info

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
elr_id	INTEGER(11)	PK	NN				
elr_name	VARCHAR(250)		NN				
elr_addr	VARCHAR(250)		NN				
elr_order	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	elr_id					
elr_info_pk	Index	elr_id					

elr_progress

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
elrp_id	INTEGER(11)	PK	NN				
dm_id	INTEGER(11)		NN				
gd_id	VARCHAR(3)		NN				
elr_id	INTEGER(11)		NN				

elrp_order	INTEGER(11)		NN				
IndexName		IndexType		Columns			
PRIMARY		PRIMARY		elrp_id			
elr_progress_pk		Index		elrp_id			
domain_has_elr_fk		Index		dm_id			
elr_in_domain_fk		Index		elr_id			
grade_in_elr_fk		Index		gd_id			

elr_progress_tutors

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
elrp_id	INTEGER(11)	PK	NN				
tutor_abbr	VARCHAR(30)	PK	NN				
max_level	INTEGER(11)		NN				

IndexName		IndexType		Columns			
PRIMARY		PRIMARY		elrp_id tutor_abbr			
elr_progress_tutors_pk		Index		elrp_id tutor_abbr			
elr_has_tutor_fk		Index		elrp_id			
tutor_in_elr_fk		Index		tutor_abbr			

full_story_chapter_page

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)		NN				
title	VARCHAR(200)		NN				
story_stream	LONGBLOB		NN				
chapter_id	INTEGER(11)		NN				
chapter_order	INTEGER(11)		NN				
show_chapter	VARCHAR(10)		NN				
chapter_title	VARCHAR(200)		NN				
chapter_stream	LONGBLOB		NN				
page_id	INTEGER(11)		NN				
page_order	INTEGER(11)		NN				

global_book_sound

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
gbs_index	INTEGER(11)	PK	NN				
gbs_word	VARCHAR(20)	PK	NN				
gbs_phoneme	VARCHAR(100)		NN				
gbs_meaning	TEXT		NN				

IndexName		IndexType		Columns			
PRIMARY		PRIMARY		story_id gbs_index gbs_word			
global_book_sound_pk		Index		story_id gbs_index gbs_word			
story_have_global_sound_fk		Index		story_id			

global_book_sound_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
gbs_index	INTEGER(11)	PK	NN				
gbs_word	VARCHAR(20)	PK	NN				
vp_id	INTEGER(11)	PK	NN				
gbs_stream	LONGBLOB		NN				
gbs_time	BIGINT(20)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	story_id gbs_index gbs_word vp_id
global_book_sound_detail_pk	Index	story_id gbs_index gbs_word vp_id
gbsound_have_sound_fk	Index	story_id gbs_index gbs_word
voice_in_gbsound_fk	Index	vp_id

global_sound

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
gs_index	INTEGER(11)	PK	NN				
gs_word	VARCHAR(20)	PK	NN				
gs_phoneme	VARCHAR(100)		NN				
gs_meaning	TEXT		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	gs_index gs_word
global_sound_pk	Index	gs_word gs_index

global_sound_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
gs_word	VARCHAR(20)	PK	NN				
gs_index	INTEGER(11)	PK	NN				
vp_id	INTEGER(11)	PK	NN				
gs_stream	LONGBLOB		NN				
gs_time	BIGINT(20)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	gs_word gs_index vp_id
global_sound_detail_pk	Index	gs_word

gsound_hae_detail_fk	Index	gs_index vp_id
voice_in_gsound_fk	Index	gs_word gs_index vp_id

group_story

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
group_story_id	BIGINT(20)	PK	NN				
group_name	VARCHAR(200)		NN				
group_create	VARCHAR(40)		NN				
group_active	VARCHAR(1)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	user_id group_story_id
group_story_pk	Index	user_id group_story_id
owner_for_this_group_fk	Index	user_id

group_story_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
group_story_id	BIGINT(20)	PK	NN				
content	VARCHAR(100)	PK	NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	user_id group_story_id content
group_story_detail_pk	Index	user_id group_story_id content
group_story_have_detail_fk	Index	user_id group_story_id

log_concentration_game_summary

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)	PK	NN				
csg_id	INTEGER(11)	PK	NN				
csg_total_times	INTEGER(11)		NN				
csg_total_time	INTEGER(11)		NN				
csg_total_mc	INTEGER(11)		NN				
csg_total_mi	INTEGER(11)		NN				
csg_total_nmc	INTEGER(11)		NN				
csg_total_nmi	INTEGER(11)		NN				
csg_word_list	TEXT		NN				
csg_board_width	INTEGER(11)		NN				
csg_board_height	INTEGER(11)		NN				
csg_board_type	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	session_id csg_id
log_concentration_game_summary_	Index	session_id csg_id
concen_have_game_summary_fk	Index	session_id

level_group

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
lg_id	INTEGER(11)	PK	NN				
lg_name	VARCHAR(100)		NN				
lg_order	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	lg_id
level_group_pk	Index	lg_id

log_concentration_item_summary

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)	PK	NN				
csg_id	INTEGER(11)	PK	NN				
csgi_id	INTEGER(11)	PK	NN				
csgi_item1	VARCHAR(10)		NN				
csgi_item1_duration	INTEGER(11)		NN				
csgi_item2	VARCHAR(10)		NN				
csgi_item2_duration	INTEGER(11)		NN				
csgi_click_match	VARCHAR(1)		NN				
csgi_click_not_match	VARCHAR(1)		NN				
csgi_answer_duration	INTEGER(11)		NN				
csgi_answer_result	VARCHAR(1)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	session_id csg_id csgi_id
log_concentration_item_summary_	Index	session_id csg_id csgi_id
concen_have_item_summary_fk	Index	session_id csg_id

log_concentration_summary

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)	PK	NN				
cs_total_game	INTEGER(11)		NN				
cs_total_times	INTEGER(11)		NN				
cs_total_time	INTEGER(11)		NN				
cs_total_mc	INTEGER(11)		NN				
cs_total_mi	INTEGER(11)		NN				
cs_total_nmc	INTEGER(11)		NN				
cs_total_nmi	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	session_id
log_concentration_summary_pk	Index	session_id

log_session_game_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)	PK	NN				
ssg_id	INTEGER(11)	PK	NN				
ssg_name	VARCHAR(200)	PK	NN				
ssg_value	TEXT		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	session_id ssg_id ssg_name
log_session_game_detail_pk	Index	session_id ssg_id ssg_name
game_have_detail_fk	Index	session_id ssg_id

log_session_game_item_summary

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)	PK	NN				
ssg_id	INTEGER(11)	PK	NN				
ssgi_id	INTEGER(11)	PK	NN				
ssgi_name	VARCHAR(200)	PK	NN				
ssgi_value	TEXT		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	session_id ssg_id ssgi_id ssgi_name
log_session_game_item_summary_p	Index	session_id ssg_id ssgi_id ssgi_name
item_in_game_fk	Index	session_id ssg_id

log_tutor_event_state

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
event_id	INTEGER(11)	PK	NN				
tutor_abbr	VARCHAR(30)		NN				
event_name	VARCHAR(20)		NN				
event_desc	VARCHAR(100)		NN				

IndexName	IndexType	Columns
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PRIMARY	PRIMARY	event_id
log_tutor_event_state_pk	Index	event_id
tutor_have_estate_fk	Index	tutor_abbr

log_session_game_summary

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)	PK	NN				
ssg_id	INTEGER(11)	PK	NN				
ssg_begin_level	INTEGER(11)		NN				
ssg_end_level	INTEGER(11)		NN				
ssg_total_question	INTEGER(11)		NN				
ssg_total_time	INTEGER(11)		NN				
ssg_total_correct_first_time	INTEGER(11)		NN				
ssg_total_click_on_foil	INTEGER(11)		NN				
ssg_total_repeat_question	INTEGER(11)		NN				
ssg_begin_level_num	INTEGER(11)		NN				
ssg_end_level_num	INTEGER(11)		NN				
ssg_adv_response	DOUBLE		NN				
ssg_adv_first_time	DOUBLE		NN				
ssg_adv_not_first_time	DOUBLE		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	session_id ssg_id
log_session_game_summary_pk	Index	session_id ssg_id
game_in_session_fk	Index	session_id
game_begin_with_level_fk	Index	ssg_begin_level
game_end_with_level_fk	Index	ssg_end_level

log_session_summary

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)	PK	NN				
ss_begin_level	INTEGER(11)		NN				
ss_end_level	INTEGER(11)		NN				
ss_total_game	INTEGER(11)		NN				
ss_total_question	INTEGER(11)		NN				
ss_total_time	INTEGER(11)		NN				
ss_total_correct_first_time	INTEGER(11)		NN				
ss_total_click_on_foil	INTEGER(11)		NN				
ss_total_repeat_question	INTEGER(11)		NN				
ss_begin_level_num	INTEGER(11)		NN				
ss_end_level_num	INTEGER(11)		NN				
ss_adv_response	DOUBLE		NN				
ss_adv_first_time	DOUBLE		NN				
ss_adv_not_first_time	DOUBLE		NN				
ss_need_update	VARCHAR(1)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	session_id
log_session_summary_pk	Index	session_id
history_end_level_fk	Index	ss_end_level
history_begin_level_fk	Index	ss_begin_level

log_tutor_data

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)		NN				
state_id	INTEGER(11)		NN				
event_id	INTEGER(11)		NN				
duration	INTEGER(11)		NN				
log_pos_x	INTEGER(11)		NN				
log_pos_y	INTEGER(11)		NN				
log_desc	TEXT		NN				
log_binary	LONGBLOB		NN				
c_time	BIGINT(20)		NN				

IndexName	IndexType	Columns
prog_state_in_log_fk	Index	state_id
even_state_in_log_fk	Index	event_id
session_in_log_fk	Index	session_id

log_tutor_full_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
tutor_abbr	VARCHAR(30)		NN				
tutor_name	VARCHAR(100)		NN				
state_name	VARCHAR(30)		NN				
event_name	VARCHAR(20)		NN				
session_id	VARCHAR(15)		NN				
session_start_time	BIGINT(20)		NN				
user_id	VARCHAR(20)		NN				
duration	INTEGER(11)		NN				
log_pos_x	INTEGER(11)		NN				
log_pos_y	INTEGER(11)		NN				
log_desc	LONGTEXT		NN				
log_binary	LONGBLOB		NN				

log_tutor_prog_state

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
state_id	INTEGER(11)	PK	NN				
tutor_abbr	VARCHAR(30)		NN				
state_name	VARCHAR(30)		NN				
state_desc	VARCHAR(100)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	state_id

log_tutor_prog_state_pk	Index	state_id
tutor_have_pstate_fk	Index	tutor_abbr

log_tutor_session

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	VARCHAR(15)	PK	NN				
session_start_time	BIGINT(20)		NN				
user_id	VARCHAR(20)		NN				
tutor_abbr	VARCHAR(30)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	session_id
log_tutor_session_pk	Index	session_id
user_in_tsession_fk	Index	user_id
tutor_have_session_fk	Index	tutor_abbr

nword_sound_default

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
nword	VARCHAR(40)	PK	NN				
nw_f_stream	LONGBLOB		NN				
nw_m_stream	LONGBLOB		NN				
nw_time	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	nword
nword_sound_default_pk	Index	nword

nword_sound_mx

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
s_string	TEXT	PK	NN				
s_m_stream	LONGBLOB		NN				
s_f_stream	LONGBLOB		NN				
s_time	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	s_string
nword_sound_mx_pk	Index	s_string

phoneme_sound_default

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
s_text	VARCHAR(100)	PK	NN				
s_f_stream	LONGBLOB		NN				
s_m_stream	LONGBLOB		NN				
s_time	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	s_text
phoneme_sound_default_pk	Index	s_text

object_book

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
obj_id	INTEGER(11)	PK	NN				
obj_order	INTEGER(11)		NN				
obj_type	VARCHAR(50)		NN				
obj_xpos	INTEGER(11)		NN				
obj_ypos	INTEGER(11)		NN				
obj_width	INTEGER(11)		NN				
obj_height	INTEGER(11)		NN				
obj_content	TEXT		NN				
obj_stream	LONGBLOB		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	story_id chapter_id page_id obj_id
object_book_pk	Index	story_id chapter_id page_id obj_id
object_in_page_fk	Index	story_id chapter_id page_id

object_comprehensive_dialog

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
question_id	INTEGER(11)	PK	NN				
obj_compre_id	INTEGER(11)	PK	NN				
obj_compre_type	INTEGER(11)		NN				
obj_compre_text	TEXT		NN				
obj_compre_stream	LONGBLOB		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	story_id chapter_id page_id question_id obj_compre_id
object_comprehensive_dialog_pk	Index	story_id

comprehensive_have_object_fk	Index	chapter_id page_id question_id obj_compre_id story_id chapter_id page_id question_id
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phoneme_sound_mx

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
s_string	TEXT	PK	NN				
s_m_stream	LONGBLOB		NN				
s_f_stream	LONGBLOB		NN				
s_time	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	s_string					
phoneme_sound_mx_pk	Index	s_string					

product

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
productid	INTEGER(11)	PK	NN				
productname	VARCHAR(200)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	productid					
product_pk	Index	productid					

question_session

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	BIGINT(20)	PK	NN				
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
question_id	INTEGER(11)	PK	NN				
result	VARCHAR(1)		NN				
result_text	TEXT		NN				
result_stream	LONGBLOB		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	session_id story_id chapter_id page_id question_id					
question_session_pk	Index	story_id chapter_id page_id question_id session_id					
comprehensive_session_fk	Index	story_id					

question_in_session_fk	Index	chapter_id page_id question_id session_id
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reading_book

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
page_order	INTEGER(11)		NN				
IndexName	IndexType		Columns				
PRIMARY	PRIMARY		story_id chapter_id page_id				
reading_book_pk	Index		story_id chapter_id page_id				
page_in_chapter_fk	Index		story_id chapter_id				

school_class

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
class_id	VARCHAR(10)	PK	NN				
sch_abbr	VARCHAR(10)	PK	NN				
class_name	VARCHAR(100)		NN				
user_id	VARCHAR(20)		NN				
IndexName	IndexType		Columns				
PRIMARY	PRIMARY		class_id sch_abbr				
school_class_pk	Index		sch_abbr class_id				
class_in_school_fk	Index		sch_abbr				
teacher_in_class_fk	Index		user_id				

school_info

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
sch_abbr	VARCHAR(10)	PK	NN				
sch_name	VARCHAR(100)		NN				
sch_address1	VARCHAR(50)		NN				
sch_address2	VARCHAR(50)		NN				
sch_city	VARCHAR(100)		NN				
sch_state	VARCHAR(100)		NN				
sch_country	VARCHAR(100)		NN				

sch_contact_person	VARCHAR(100)	NN					
sch_homepage	VARCHAR(100)	NN					
sch_email	VARCHAR(100)	NN					
sch_db_server	VARCHAR(300)	NN					
sch_cu_server	VARCHAR(300)	NN					
sch_auto_study_plan	VARCHAR(1)	NN					
IndexName							
PRIMARY		PRIMARY				sch_abbr	
school_info_pk		Index				sch_abbr	

session_info

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	BIGINT(20)	PK	NN				
std_id	VARCHAR(50)		NN				
IndexName							
PRIMARY		PRIMARY				session_id	
session_info_pk		Index				session_id	

sound_chapter_info

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
s_text	TEXT	PK	NN				
obj_compre_id	INTEGER(11)	PK	NN				
question_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
s_stream	LOB		NN				
IndexName							
PRIMARY		PRIMARY				story_id chapter_id s_text obj_compre_id question_id page_id	
sound_chapter_info_pk		Index				story_id chapter_id s_text	
sound_stream_chapter_fk		Index				story_id chapter_id	

sound_comprehensive_dialog

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
question_id	INTEGER(11)	PK	NN				
s_text	TEXT	PK	NN				
s_stream	LOB		NN				
IndexName							
		IndexType				Columns	

PRIMARY	PRIMARY	story_id chapter_id page_id question_id s_text
sound_comprehensive_dialog_pk	Index	story_id chapter_id page_id question_id s_text
sound_in_comprehensive_fk	Index	story_id chapter_id page_id question_id

sound_object_book

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
obj_id	INTEGER(11)	PK	NN				
s_text	TEXT	PK	NN				
s_startoff	INTEGER(11)	PK	NN				
s_stopoff	INTEGER(11)	PK	NN				
s_type	INTEGER(11)		NN				
s_index	INTEGER(11)		NN				
s_stream	LONGBLOB		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	story_id chapter_id page_id obj_id s_text s_startoff s_stopoff
sound_object_book_pk	Index	story_id chapter_id page_id obj_id s_text s_startoff s_stopoff
relation_166_fk	Index	story_id chapter_id page_id obj_id

sound_pre_record

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
cmu_id	INTEGER(11)	PK	NN				
vp_id	INTEGER(11)	PK	NN				
p_prosody	INTEGER(11)	PK	NN				
p_date	INTEGER(11)		NN				
p_status	VARCHAR(1)		NN				
p_priority	INTEGER(11)		NN				
p_wave	LONGBLOB		NN				
p_align	LONGBLOB		NN				
p_comment	VARCHAR(128)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	cmu_id vp_id p_prosody
sound_pre_record_pk	Index	vp_id cmu_id p_prosody
record_with_voice_fk	Index	vp_id
record_with_word_fk	Index	cmu_id

story_folder_1

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
fd1_id	INTEGER(11)	PK	NN				
ur_id	INTEGER(11)	PK	NN				
fd1_name	TEXT		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	fd1_id ur_id
story_folder_1_pk	Index	fd1_id

story_folder_2

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
ur_id	INTEGER(11)	PK	NN				
fd2_id	INTEGER(11)	PK	NN				
fd2_name	TEXT		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	ur_id fd2_id
story_folder_2_pk	Index	ur_id fd2_id
user_have_story_fd2_fk	Index	ur_id

story_in_aplan

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
aplan_s_id	INTEGER(11)	PK	NN				
story_id	VARCHAR(100)	PK	NN				
story_order	INTEGER(11)		NN				
max_times	INTEGER(11)		NN				
story_frequency	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	aplan_s_id story_id
story_in_aplan_pk	Index	aplan_s_id story_id
state_have_story_fk	Index	aplan_s_id

story_in_folder

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
folder_level	INTEGER(11)		NN				
folder_detail	TEXT		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	story_id
story_in_folder_pk	Index	story_id

story_info

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
story_id	VARCHAR(100)	PK	NN				
title	VARCHAR(200)		NN				
author	VARCHAR(200)		NN				
book_level	VARCHAR(50)		NN				
in_library	VARCHAR(10)		NN				
story_icon	VARCHAR(100)		NN				
story_desc	TEXT		NN				
story_stream	LOB		NN				
story_font_name	VARCHAR(30)		NN				
story_font_size	INTEGER(11)		NN				
story_font_bold	INTEGER(11)		NN				
story_font_italic	INTEGER(11)		NN				
story_font_underline	INTEGER(11)		NN				
story_font_color_red	INTEGER(11)		NN				
story_font_color_blue	INTEGER(11)		NN				
story_font_color_green	INTEGER(11)		NN				
story_font_color_alpha	INTEGER(11)		NN				
story_editable	VARCHAR(10)		NN				
author_id	VARCHAR(50)		NN				
align_config	TEXT		NN				
acoustic_config	TEXT		NN				
vp_id	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	story_id
story_info_pk	Index	story_id

story_permission

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
group_story_id	BIGINT(20)	PK	NN				
story_id	VARCHAR(100)	PK	NN				
story_can_read	VARCHAR(1)		NN				
story_can_write	VARCHAR(1)		NN				
story_can_delete	VARCHAR(1)		NN				
story_can_options	VARCHAR(1)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	user_id group_story_id story_id
story_permission_pk	Index	user_id story_id group_story_id
story_have_permission_fk	Index	story_id
permission_in_group_fk	Index	user_id group_story_id

story_log_text							
ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
session_id	BIGINT(20)		NN				
sl_type	INTEGER(11)		NN				
sl_text	TEXT		NN				

IndexName	IndexType	Columns
relation_7037_fk	Index	session_id

student_grade							
ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
gd_id	VARCHAR(3)	PK	NN				
gd_name	VARCHAR(100)		NN				
gd_desc	TEXT		NN				
gd_order	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	gd_id
student_grade_pk	Index	gd_id

students_in_class							
ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
sch_abbr	VARCHAR(10)	PK	NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	user_id sch_abbr
students_in_class_pk	Index	sch_abbr user_id
class_have_student_fk	Index	sch_abbr
student_in_class_fk	Index	user_id

students_in_plan							
ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
plan_id	BIGINT(20)	PK	NN				
user_id	VARCHAR(20)	PK	NN				

sch_abbrev	VARCHAR(10)	PK	NN				
class_id	VARCHAR(10)	PK	NN				
IndexName		IndexType		Columns			
PRIMARY		PRIMARY		plan_id user_id sch_abbrev class_id			
students_in_plan_pk		Index		sch_abbrev class_id user_id plan_id			
plan_of_student_fk		Index		plan_id			
student_have_plan_fk		Index		sch_abbrev class_id user_id			

study_plan

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
plan_id	BIGINT(20)	PK	NN				
plan_name	VARCHAR(100)		NN				
plan_creator	VARCHAR(20)		NN				
plan_update_date	VARCHAR(40)		NN				
plan_type	VARCHAR(1)		NN				

IndexName		IndexType		Columns			
PRIMARY		PRIMARY		plan_id			
study_plan_pk		Index		plan_id			
sp_have_creator_fk		Index		plan_creator			

study_plan_grant

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
plan_id	BIGINT(20)	PK	NN				
plan_co_creator	VARCHAR(20)	PK	NN				

IndexName		IndexType		Columns			
PRIMARY		PRIMARY		plan_id plan_co_creator			
study_plan_grant_pk		Index		plan_id plan_co_creator			
sp_have_grant_fk		Index		plan_id			
user_have_grant_fk		Index		plan_co_creator			

sub_user_lists

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
sub_user_id	VARCHAR(20)	PK	NN				

IndexName		IndexType		Columns			
PRIMARY		PRIMARY		user_id sub_user_id			
sub_user_lists_pk		Index		user_id sub_user_id			
user_fk_sub_lists_fk		Index		user_id			
user_pk_sub_lists_fk		Index		sub_user_id			

tutor_in_domain

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
dm_id	INTEGER(11)	PK	NN				
tutor_abbr	VARCHAR(30)	PK	NN				
dm_sub_order	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	dm_id tutor_abbr
tutor_in_domain_pk	Index	dm_id tutor_abbr
domain_to_tutor_fk	Index	dm_id
tutor_to_domain_fk	Index	tutor_abbr

tutor_interface

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
tutor_abbr	VARCHAR(30)	PK	NN				
int_name	VARCHAR(30)	PK	NN				
int_int	INTEGER(11)		NN				
int_float	DOUBLE		NN				
int_text	TEXT		NN				
int_object	LONGBLOB		NN				
int_is_int	VARCHAR(1)		NN				
int_is_float	VARCHAR(1)		NN				
int_is_text	VARCHAR(1)		NN				
int_is_oid	VARCHAR(1)		NN				
int_desc	TEXT		NN				
int_is_global	VARCHAR(1)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	tutor_abbr int_name
tutor_interface_pk	Index	tutor_abbr int_name
policy_in_tutor_fk	Index	tutor_abbr

tutor_level

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
wl_id	INTEGER(11)	PK	NN				
tutor_abbr	VARCHAR(30)	PK	NN				
lg_id	INTEGER(11)		NN				
level_order	INTEGER(11)		NN				
level_is_default	VARCHAR(1)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	wl_id tutor_abbr
tutor_level_pk	Index	tutor_abbr wl_id
level_in_tutor_fk	Index	wl_id
tutor_have_level_fk	Index	tutor_abbr
tutor_level_in_group_fk	Index	lg_id

tutor_program

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
tutor_abbr	VARCHAR(30)	PK	NN				
tutor_name	VARCHAR(100)		NN				
tutor_config_url	VARCHAR(300)		NN				
tutor_can_show	VARCHAR(1)		NN				
tutor_order	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	tutor_abbr					
tutor_program_pk	Index	tutor_abbr					

tutor_relation_in_aplan

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
aplan_s_id	INTEGER(11)	PK	NN				
tutor_abbr	VARCHAR(30)	PK	NN				
target_tutor_abbr	VARCHAR(30)	PK	NN				
relation_type	INTEGER(11)	PK	NN				
relation_paras	VARCHAR(100)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	aplan_s_id tutor_abbr target_tutor_abbr relation_type					
tutor_relation_in_aplan_pk	Index	aplan_s_id tutor_abbr target_tutor_abbr relation_type					
t_have_first_relation_fk	Index	aplan_s_id tutor_abbr					
tt_have_second_relation_fk	Index	target_tutor_abbr					

tutor_sound_default

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
s_string	TEXT	PK	NN				
s_m_stream	LONGBLOB		NN				
s_f_stream	LONGBLOB		NN				
s_time	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	s_string					
tutor_sound_default_pk	Index	s_string					

tutor_sound_mx

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
s_string	TEXT	PK	NN				
s_m_stream	LONGBLOB		NN				
s_f_stream	LONGBLOB		NN				
s_time	INTEGER(11)		NN				
IndexName	IndexType	Columns					
PRIMARY	PRIMARY	s_string					
tutor_sound_mx_pk	Index	s_string					

tutor_study_plan

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
plan_id	BIGINT(20)	PK	NN				
tutor_abbr	VARCHAR(30)	PK	NN				
tutor_time	INTEGER(11)		NN				
tutor_level	VARCHAR(100)		NN				
tutor_order	INTEGER(11)		NN				
tutor_options	TEXT		NN				
tutor_games	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	plan_id tutor_abbr
tutor_study_plan_pk	Index	plan_id tutor_abbr
sp_have_tutor_fk	Index	plan_id
tutor_in_sp_fk	Index	tutor_abbr

tutor_study_plan_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
plan_id	BIGINT(20)	PK	NN				
tutor_abbr	VARCHAR(30)	PK	NN				
tsp_name	VARCHAR(30)	PK	NN				
tsp_int	INTEGER(11)		NN				
tsp_float	DOUBLE		NN				
tsp_text	TEXT		NN				
tsp_object	LONGBLOB		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	plan_id tutor_abbr tsp_name
tutor_study_plan_detail_pk	Index	plan_id tutor_abbr tsp_name
detail_in_tsp_fk	Index	plan_id tutor_abbr

tutors_in_aplan

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
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aplan_s_id	INTEGER(11)	PK	NN			
tutor_abbr	VARCHAR(30)	PK	NN			
begin_level	INTEGER(11)		NN			
tutor_order	INTEGER(11)		NN			
max_times	INTEGER(11)		NN			
tutor_frequency	DOUBLE		NN			

IndexName	IndexType	Columns
PRIMARY	PRIMARY	aplan_s_id tutor_abbr
tutors_in_aplan_pk	Index	aplan_s_id tutor_abbr
state_have_tutor_fk	Index	aplan_s_id
tutor_in_aplan_fk	Index	tutor_abbr

user_assess_history

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
assess_id	BIGINT(20)	PK	NN				
assess_qid	BIGINT(20)	PK	NN				
assess_type	INTEGER(11)		NN				
assess_question	TEXT		NN				
assess_user_answer	VARCHAR(100)		NN				
assess_user_stream_answer	LONGBLOB		NN				
assess_question_result	INTEGER(11)		NN				
assess_time_range	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	user_id assess_id assess_qid
user_assess_history_pk	Index	user_id assess_id assess_qid
assess_have_detail_fk	Index	user_id assess_id

user_in_schools

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
sch_abbr	VARCHAR(10)	PK	NN				
user_id	VARCHAR(20)	PK	NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	sch_abbr user_id
user_in_schools_pk	Index	sch_abbr user_id
user_in_schools_fk	Index	sch_abbr
user_in_schools2_fk	Index	user_id

user_in_state

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
aplan_s_id	INTEGER(11)		NN				

tutor_abbr	VARCHAR(30)	NN	
IndexName		IndexType	Columns
PRIMARY		PRIMARY	user_id
user_in_state_pk		Index	user_id
state_in_user_fk		Index	aplan_s_id
tutor_in_user_state_fk		Index	tutor_abbr

user_in_state_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
sd_data	VARCHAR(200)	PK	NN				
sd_current	VARCHAR(50)		NN				
IndexName						IndexType	Columns
PRIMARY						PRIMARY	user_id sd_data
user_in_state_detail_pk						Index	user_id sd_data
user_state_alternative_fk						Index	user_id

user_login

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
type_abbr	VARCHAR(10)		NN				
user_passwd	VARCHAR(30)		NN				
user_login_date	VARCHAR(40)		NN				
user_last_ip	VARCHAR(15)		NN				
sch_abbr	VARCHAR(10)		NN				
user_fname	VARCHAR(20)		NN				
user_mname	VARCHAR(10)		NN				
user_lname	VARCHAR(50)		NN				
user_sex	VARCHAR(2)		NN				
show_assessments	VARCHAR(1)		NN				
show_books	VARCHAR(1)		NN				
show_tutors	VARCHAR(1)		NN				
show_utilities	VARCHAR(1)		NN				
gd_id	VARCHAR(3)		NN				
user_b_day	INTEGER(11)		NN				
user_b_month	INTEGER(11)		NN				
user_b_year	INTEGER(11)		NN				
show_tools	VARCHAR(1)		NN				
story_id	VARCHAR(100)		NN				
can_capture_audio	VARCHAR(1)		NN				
can_capture_image	VARCHAR(1)		NN				
user_nname	VARCHAR(20)		NN				
IndexName						IndexType	Columns

PRIMARY	PRIMARY	user_id
user_login_pk	Index	user_id
user_have_type_fk	Index	type_abbr
user_in_school_fk	Index	sch_abbr
student_in_grade_fk	Index	gd_id

user_login_history

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
login_time	INTEGER(11)	PK	NN				
logout_time	INTEGER(11)		NN				
login_status	VARCHAR(100)		NN				
login_ip_address	VARCHAR(30)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	user_id login_time
user_logon_history_pk	Index	user_id login_time
user_have_log_history_fk	Index	user_id

user_root

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
ur_id	INTEGER(11)	PK	NN				
user_id	VARCHAR(20)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	ur_id
user_root_pk	Index	ur_id
user_id	Index	user_id

user_story_history

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
story_id	VARCHAR(100)	PK	NN				
chapter_order	INTEGER(11)		NN				
page_order	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	user_id story_id
user_story_history_pk	Index	user_id story_id
relationship_100_fk	Index	user_id
relationship_101_fk	Index	story_id

user_story_history_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)	PK	NN				
story_id	VARCHAR(100)	PK	NN				
chapter_id	INTEGER(11)	PK	NN				
page_id	INTEGER(11)	PK	NN				
visited	VARCHAR(1)		NN				
ask_beginning	VARCHAR(1)		NN				
ask_turn_page	VARCHAR(1)		NN				
ask_end_of_session	VARCHAR(1)		NN				
ask_end_of_page	VARCHAR(1)		NN				
ask_end_of_story	VARCHAR(1)		NN				
ask_log_out	VARCHAR(1)		NN				
ask_where_placed	VARCHAR(1)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	user_id story_id chapter_id page_id
user_story_history_detail_pk	Index	user_id story_id chapter_id page_id
user_have_shis_detail_fk	Index	user_id
srh_detail_in_user_fk	Index	story_id

user_study_plan_history

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
plan_id	BIGINT(20)	PK	NN				
tutor_abbr	VARCHAR(30)	PK	NN				
user_id	VARCHAR(20)	PK	NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	plan_id tutor_abbr user_id
user_study_plan_history_pk	Index	plan_id tutor_abbr user_id
user_have_sp_history_fk	Index	user_id

sp_history_in_user_fk	Index	plan_id tutor_abbr
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user_treasure

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
user_id	VARCHAR(20)		NN				
o_gold	INTEGER(11)		NN				
o_silver	INTEGER(11)		NN				
o_bronze	INTEGER(11)		NN				
r_gold	INTEGER(11)		NN				
r_silver	INTEGER(11)		NN				
r_bronze	INTEGER(11)		NN				

IndexName	IndexType	Columns
user_have_treasure_fk	Index	user_id

user_tutor_level

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
tutor_abbr	VARCHAR(30)	PK	NN				
user_id	VARCHAR(20)	PK	NN				
level	VARCHAR(10)		NN				
score	INTEGER(11)		NN				
games	INTEGER(11)		NN				
ratio_1	INTEGER(11)		NN				
level_1	INTEGER(11)		NN				
ratio_2	INTEGER(11)		NN				
level_2	INTEGER(11)		NN				
ratio_3	INTEGER(11)		NN				
level_3	INTEGER(11)		NN				
ratio_4	INTEGER(11)		NN				
level_4	INTEGER(11)		NN				
ratio_5	INTEGER(11)		NN				
level_5	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	tutor_abbr user_id
user_tutor_level_pk	Index	tutor_abbr user_id
user_in_tutor_fk	Index	tutor_abbr
user_have_tutor_level_fk	Index	user_id

user_type

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
type_abbr	VARCHAR(10)	PK	NN				
type_name	VARCHAR(50)		NN				
type_desc	VARCHAR(100)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	type_abbr
user_type_pk	Index	type_abbr

voice_person

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
vp_id	INTEGER(11)	PK	NN				
vp_name	VARCHAR(200)		NN				
vp_nick_name	VARCHAR(20)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	vp_id
voice_person_pk	Index	vp_id

word_level_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
wl_id	INTEGER(11)		NN				
wl_word	VARCHAR(30)		NN				
wl_foils	TEXT		NN				

IndexName	IndexType	Columns
word_level_have_detail_fk	Index	wl_id

word_sound_default

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
word	VARCHAR(40)	PK	NN				
w_f_stream	LONGBLOB		NN				
w_m_stream	LONGBLOB		NN				
w_time	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	word
word_sound_default_pk	Index	word

word_sound_mx

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
s_string	TEXT	PK	NN				
s_m_stream	LONGBLOB		NN				
s_f_stream	LONGBLOB		NN				
s_time	INTEGER(11)		NN				

IndexName	IndexType	Columns
PRIMARY	PRIMARY	s_string
word_sound_mx_pk	Index	s_string

words

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
word	TEXT	PK	NN				
ph_count	INTEGER(11)		NN				

length	INTEGER(11)	NN			
ph	TEXT	NN			
cv_type	TEXT	NN			
foils	TEXT	NN			
frequency	INTEGER(11)	NN			
meaning	TEXT	NN			
IndexName		IndexType		Columns	
PRIMARY		PRIMARY		word	
words_pk		Index		word	

word_level

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
wl_id	INTEGER(11)	PK	NN				
wl_desc	VARCHAR(200)		NN				
IndexName		IndexType		Columns			
PRIMARY		PRIMARY		wl_id			
word_level_pk		Index		wl_id			

words_beginning_blends

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
bb_id	INTEGER(11)	PK	NN				
bb_sub_id	INTEGER(11)	PK	NN				
bb_word	VARCHAR(40)	PK	NN				
bb_foils	VARCHAR(200)		NN				
IndexName		IndexType		Columns			
PRIMARY		PRIMARY		bb_id bb_sub_id bb_word			
words_beginning_blends_pk		Index		bb_id bb_sub_id bb_word			

words_cmu

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
cmu_id	INTEGER(11)	PK	NN				
cmu_word	VARCHAR(40)		NN				
cmu_word_length	INTEGER(11)		NN				
cmu_word_cvt	VARCHAR(40)		NN				
cmu_phoneme	VARCHAR(250)		NN				
cmu_phoneme_cvt	VARCHAR(30)		NN				
cmu_phoneme_count	INTEGER(11)		NN				
cmu_foils	TEXT		NN				
cmu_have_picture	VARCHAR(1)		NN				
cmu_syl_count	INTEGER(11)		NN				

cmu_syl	VARCHAR(200)	NN					
IndexName		IndexType	Columns				
PRIMARY		PRIMARY	cmu_id				
words_cmu_pk		Index	cmu_id				

words_four_square

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
fq_id	INTEGER(11)		NN				
fq_word	VARCHAR(30)		NN				
fq_foils	TEXT		NN				
fq_word_phoneme	VARCHAR(60)		NN				
fq_word_phoneme_cvt	VARCHAR(20)		NN				

words_level_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
wl_id	INTEGER(11)	PK	NN				
wl_desc	TEXT		NN				
wl_abbr	VARCHAR(20)		NN				
IndexName		IndexType	Columns				
PRIMARY		PRIMARY	wl_id				
words_level_detail_pk		Index	wl_id				

words_rhyme_changing

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
rhyme_level	INTEGER(11)		NN				
rhyme_beginning	VARCHAR(100)		NN				
rhyme_ending	VARCHAR(100)		NN				
rhyme_target	TEXT		NN				
rhyme_target_phoneme	TEXT		NN				

words_tutor

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
word	VARCHAR(40)	PK	NN				
IndexName		IndexType	Columns				
PRIMARY		PRIMARY	word				
words_tutor_pk		Index	word				

words_tutor_detail

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
cmu_word	VARCHAR(40)		NN				
cmu_word_length	INTEGER(11)		NN				
cmu_word_cvt	VARCHAR(40)		NN				
cmu_phoneme	VARCHAR(250)		NN				

cmu_phoneme_cvt	VARCHAR(30)	NN
cmu_phoneme_count	INTEGER(11)	NN
cmu_have_picture	VARCHAR(1)	NN
cmu_foils	LONGTEXT	NN
cmu_syl_count	INTEGER(11)	NN
cmu_syl	VARCHAR(200)	NN
query_type	VARCHAR(1)	NN

words_vowel_finding

ColumnName	DataType	PrimaryKey	NotNull	Flags	Default Value	Comment	AutoInc
vf_level	INTEGER(11)		NN				
cmu_word	VARCHAR(40)		NN				
cmu_phoneme	VARCHAR(250)		NN				
cmu_phoneme_cvt	VARCHAR(40)		NN				
cmu_word_pair	VARCHAR(40)		NN				
word_type	VARCHAR(1)		NN				
is_blend	VARCHAR(1)		NN				