

Description of the most important tables

PATIENT_ILLNESSSCRIPT

contains the basic data of the concept map (= patient's illness script)

	Explanation	
ID	a unique identifier for each created script	
CREATION_DATE	when was the map was created	Timestamp
TYPE	is is a map created by a student or an expert	1 = student, 2 = expert
USER_ID	id of the user who created the map (reference to the CRUSER table
LOCALE	language of the VP / map	"en", "de"
SUMMST_ID		reference to the SUMMSTATEMENT table
STAGE	how many stages/cards has the VP (and the map)	0..n
DDX_SUBMITTED	stage at which the final diagnosis/-es were submitted	0..n
CONFIDENCE	how confident was the user with the final diagnosis decision	0,0..1,0
PEER_SYNC	was the script included into the PEER table	0 1
MAX_DDX_SUBMITTED	maximum stage at which users have to submit the final diagnosis	0..n (can be used by the VP system e.g. to stop case progression until diagnosis has been submitted)
LAST_ACCESS_DATE	when was the map access last	Timestamp
VP_ID	to which VP (and in which system does the VP belong)	12345_2 (12345 = VP id, 2 = systemId -> see definitions in PARENT_SYSTEM)
SHOW_SOL	if 1 the user has decided not to submit a diagnosis, but get the correct diagnosis / solution displayed by the system	0 1

RELATION_PROBLEM (Problems entered by the user), **RELATION_TEST** (tests entered by the user), **RELATION_MANAGEMENT** (therapy items added by the user)

SOURCE_ID	id of the Mesh item selected or self entered item (if id >250000 item was self-entered)	reference to CLINREASON_LIST
DEST_ID	patient illnessscript for which the problem has been added	reference to ID of PATIENT_ILLNESSSCRIPT
CREATION_DATE	when was the problem added	Timestamp
ID	a unique identifier	
X	x-coordinate of the item within the container in the map	
Y	y-coordinate of the item within the container in the map	
SYN_ID		-1 -> user has not used a synonym, otherwise reference to CLINREASON_LIST_SYN
STAGE	at which stage (in which card) was the item added	
PREFIX	e.g. "No" or "Not"	e.g. if patient had "no fever"
PROTOTYPICAL	e.g. a problem is non-prototypical for the final diagnosis used for expert scripts only	1=prototypical 2=non-prototypical

RELATION_DIAGNOSIS

SOURCE_ID	id of the Mesh item selected or self entered item (if id >250000 item was self-entered)	reference to CLINREASON_LIST
DEST_ID	patient illnessscript for which the problem has been added	reference to ID of PATIENT_ILLNESSSCRIPT
CREATION_DATE	when was the diagnosis added	Timestamp
ID	a unique identifier	
X	x-coordinate of the item within the container in the map	
Y	y-coordinate of the item within the container in the map	
SYN_ID		-1 -> user has not used a synonym, otherwise reference to CLINREASON_LIST_SYN
STAGE	at which stage (in which card) was the item added	
PREFIX	e.g. "No" or "Not"	e.g. if patient had "no fever"
MNM	"must-not-miss" flag for a diagnosis	stage at which thsi fag was activated
RULED_OUT	diagnosis is very unlikely now	stage at which this flag was selected for this diagnosis
WORKING_DDX	current working diagnosis	stage at which this flag was selected for this diagnosis2
FINAL_DDX	final diagnosis submitted	stage at which the final diagnosis was submitted
PREVALENCE	prevalence/rate of the diagnosis (used for expert scripts only)	1 = rare, 2=common, -1=unknown

CONNECTION (between all types of items)

START_ID	id of the start item	reference to RELATION_XXX tables
TARGET_ID	id of the target item	reference to RELATION_XXX tables
CREATION_DATE	when was the problem added	Timestamp
ID	a unique identifier of the connection	
START_TYPE	type of start node	1=problem, 2=diagnosis, 3=test, 4=therapy
TARGET_TYPE	type of end node	1=problem, 2=diagnosis, 3=test, 4=therapy
ILLSCRIPT_ID	id of the illness script	reference to ID of PATIENT_ILLNESSSCRIPT
START_EP_IDX	which endpoint (left, right) is used for the connection	important for displaying the connection
TARGET_EP_IDX	which endpoint (left, right) is used for the connection	important for displaying the connection

SUMMSTATEMENT (summary statement composed by user)

ID	unique identifier	
TEXT	summary statement	
STAGE	stage at which the text was composed	NUMBER (1 = Casus,...)
CREATION_DATE	when was this user created	Timestamp
PATILLSCRIPT_ID	id of script	reference to ID of PATIENT_ILLNESSSCRIPT
ANALYZED	was the statement scored	0 1
TYPE	expert or learner summary statement	1 = learner, 2 = expert
LANG	language of the summary statement	"de", "en",...

ERROR (errors committed by the user)

ID	unique identifier	
DEST_ID	script id	reference to ID of PATIENT_ILLNESSSCRIPT
STAGE	at which stage did error occur	
CREATION_DATE	when was this user created	Timestamp
TYPE	type of error	NUMBER, e.g. 1=Premature closure,...
IDX	index of error (if more than one error occurred at this stage)	0..n

SCORE (contains scores for each action in the concept map)

ID	a unique identifier for the scores	
PATIENTILLNESSSCRIPT_ID		reference to ID in PATIENT_ILLNESSSCRIPT
SCORE	score of the action	0,0..1,0
ACTION_ITEM_ID	id of the mesh item	-1 or id of the list item - reference to CLINREASON_LIST
CREATION_DATE	when was the scoring done	Timestamp
WEIGHT	some score categories can be weighted more than others	currently not used (weight = 1 for all)
ITEM_TYPE	what action was scored	definitions see table below
SCORE_EXP	score for action compared to the expert map, 0 if user has used a joker or seen the expert map before adding an item	0,0..1,0
ORG_SCORE_EXP	score for action compared to expert map (not considering joker or accessed expert map)	0,0..1,0
SCORE_PEER	score compared to peer maps (currently not used)	0,0..1,0
TIMING	Was the item added at the same stage/later/earlier as the expert has added it?	
FEEDBACK	1= user has seen the item in the expert map before adding it	0 1
USER_ID		reference to CRUSER
VP_ID		
DISTANCE	if an item is related to an expert item, we store the distance to it here.	(-): learner is less specific than expert (+): learner is more specific than expert

PEER (composite data for display of peer performance)

ID	unique identifier of peer entry	
ACTION	which action was performed	NUMBER (e.g. 1 = add problem,...)
ITEM_ID	item the action is related to	NUMBER (1 = Casus,...)
CREATION_DATE	when was this user created	Timestamp
CHANGE_DATE	date of last calculation	Timestamp
PEER_NUM	how many users have performed this action	
STAGE	stage/card the action was performed	
VP_ID	VP id of the parent system	
SCORE_SUM	sum of all peer scores/peer num	0..1
ORG_SCORE_EXP	sum of all org scores	0..n
SCORE_EXP	sum of all scores	0..n

CRUSER (user settings)

USER_ID	unique identifier	
USER_ID_EXT	optional reference to a user in a VP system	encoded string
SYSTEM_ID	VP system the user comes from	NUMBER (1 = Casus,...)
CREATION_DATE	when was this user created	Timestamp
EDITOR	is user an expert editor	1=user is allowed to create expert scripts
USERNAME	login (for editors only)	
PASSWORD	for editors only	

CLINREASON_LIST (list entries, MesH etc)

ITEM_ID	unique identifier	
LANG	language of entry	"de", "en",...
NAME	term	
ITEM_LEVEL	MesH hierarchy level	
CODE	MesH code	
SOURCE	source of the entry	e.g. "MESH",...
IGNORE	ignore entry for the json list creation	1 = ignore the entry
CREATION_DATE	when was the entry created	Timestamp

CLINREASON_LIST_SYN (synonyms)

ID	unique identifier	
LANG	language of entry	"de", "en",...
ITEM_ID	main entry this synonym is related to	reference to ITEM_ID of CLINREASON_LIST
RATING_WEIGHT	if the synonym should be scored different from the main entry	default = 1
SOURCE	source of the entry	e.g. "MESH",...
IGNORE	ignore entry for the json list creation	1 = ignore the entry

LOG (logging of all actions and clicks)

ID	unique identifier	
ACTION	performed action	NUMBER, see definitions in source code
CREATION_DATE	when was this entry created	Timestamp
SOURCE_ID	if the synonym should be scored different from the main entry	default = 1
STAGE	current stage of script	
PATILLSCRIPT_ID	script id	reference to ID in PATIENT_ILLNESSSCRIPT

LEARNING (storing the recommendation displayed for the learner after a session)

ID	unique identifier	
ACTION	performed action	NUMBER, see definitions in source code
CREATION_DATE	when was this entry created	Timestamp
ACTIVE_LEARNING	indicator of how active the learner was in this session	FLOAT (0..1)
SCAFFOLDING	indicator of how much scaffolding was displayed for the learner	FLOAT (0..1)
TIP	Tip which is displayed	NUMBER, definitions see LearningBean
VP_ID	id of the vp	
PATILLSCRIPT_ID	script id	reference to ID in PATIENT_ILLNESSSCRIPT
USER_ID		reference to USER_ID in CRUSER

FEEDBACK (storing information when user has accessed which feedback)

ID	unique identifier	
FEEDBACK_TYPE	type of feedback accessed	NUMBER, e.g. 1=expert map, ...
CREATION_DATE	when was this entry created	Timestamp
TASK_TYPE	specific feedback accessed	NUMBER, e.g. 1=problems, 2= ddx,...
STAGE	on which stage was feedback accessed	
PATILLSCRIPT_ID	script id	reference to ID in PATIENT_ILLNESSSCRIPT

SEMANTIC_QUALIFIERS (list of semantic qualifiers)

ID	unique identifier	
TEXT	text of semantic qualifier	
CATEGORY		NUMBER, see definitions in code
LANGUAGE	language of semantic qualifier	e.g. "de", "en",...
CONTRASTS	id of contrasting semantic qualifier	
SYNONYMAOF	id of synonym semantic qualifier	