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1 behaviour

Table comments: to track things like scrolling, clicking, etc
Creation: Apr 23, 2022 at 04:22 PM
Last update: Apr 23, 2022 at 04:22 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
behaviour_id	int(11)		No					
behaviour_type_id	int(11)		No			-> behaviour_type.behaviour_type_id ON UPDATE CASCADE ON DELETE CASCADE		
visit_id	int(11)		No			-> visit.visit_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
behaviour_data	varchar(250)		No				this might be anything - e.g. the URL of a page returned to, the amount of scrolling, etc. Open ended now, might need to make it more structured later	
datetime	timestamp		No	current_timestamp()	on update current_timestamp()			

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2 behaviour_type

Creation: Apr 22, 2022 at 10:39 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
behaviour_type_id	int(11)		No					
behaviour_description	int(11)		No					

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3 experiment

Creation: Apr 23, 2022 at 04:32 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
experiment_id	int(11)		No					
experiment_name	varchar(30)		No					
datetime	timestamp		No	current_timestamp()	on update current_timestamp()			
owner_id	int(11)		No			-> user.user_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
text_id	int(11)		No			-> text.text_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
start_date	datetime		No					
end_date	int(11)		No					

4 experimental_treatment

Creation: Apr 23, 2022 at 04:36 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
treatment_id	int(11)		No			-> treatment.treatment_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
experiment_id	int(11)		No			-> experiment.experiment_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
ratio	int(11)		No				this can be any arbitrary number - the idea is to use it for a random seed to choose which experimental treatment is received for each visit	

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5 quiz

Creation: Apr 22, 2022 at 10:55 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
quiz_id	int(11)		No					
text_id	int(11)		No			-> text.text_id ON UPDATE CASCADE ON DELETE CASCADE		
quiz_name	varchar(50)		No					

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6 quiz_answer

Creation: Apr 22, 2022 at 10:58 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
qq_id	int(11)		No			-> quiz_question.qq_id ON UPDATE CASCADE ON DELETE CASCADE		
quiz_answer_id	int(11)		No					
answer	varchar(250)		No					
hint	varchar(250)		No					
correct	tinyint(1)		No					

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7 quiz_attempt

Creation: Apr 23, 2022 at 04:01 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
quiz_attempt_id	int(11)		No					
quiz_id	int(11)		No			-> quiz.quiz_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
visit_id	int(11)		No			-> visit.visit_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
datetime	timestamp		No	current_timestamp()	on update current_timestamp()			

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8 quiz_question

Creation: Apr 22, 2022 at 10:57 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
quiz_id	int(11)		No			-> quiz.quiz_id ON UPDATE CASCADE ON DELETE CASCADE		
qq_id	int(11)		No					
question	varchar(150)		No					
sort_order	int(11)		No					

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9 quiz_response

Creation: Apr 23, 2022 at 04:15 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
quiz_response_id	int(11)		No					
qq_id	int(11)		No			-> quiz_question.qq_id ON UPDATE CASCADE ON DELETE CASCADE		
quiz_attempt_id	int(11)		No			-> quiz_attempt.quiz_attempt_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
datetime	timestamp		No	current_timestamp()	on update current_timestamp()			
attempt_time	int(11)		No				seconds to complete	
quiz_answer_id	int(250)		No			-> quiz_answer.quiz_answer_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		

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10 text

Creation: Apr 22, 2022 at 10:47 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
text_id	int(11)		No					
title	varchar(100)		No					
url	varchar(100)		No					
licence	varchar(30)		No					
subject	varchar(30)		No					
owner_id	int(11)		No					

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11 treatment

Creation: Apr 23, 2022 at 03:55 PM
Last update: Apr 23, 2022 at 03:32 AM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
treatment_id	int(11)		No					
treatment_type_id	int(11)		No			-> treatment_type.treatment_type_id ON UPDATE CASCADE ON DELETE CASCADE		
treatment_name	varchar(20)		No					
treatment_scope	varchar(20)		No				this relates to whether it affects the whole document, a paragraph, a section, etc	

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12 treatment_parameter

Creation: Apr 23, 2022 at 05:00 PM
Last update: Apr 23, 2022 at 05:00 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
parameter_id	int(11)		No					
treatment_id	int(11)		No			-> treatment.treatment_id ON UPDATE CASCADE ON DELETE CASCADE		
parameter_type	varchar(30)		No				should align with whatever the code uses to identify different things that can change in a treatment	
text_parameter	varchar(30)		No				e.g. the algorithm or some other kind of textual way of describing a treatment	
num_parameter	int(11)		No				a numeric parameter such as transparency or weight	

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13 treatment_scope

Creation: Apr 23, 2022 at 04:56 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
treatment_scope_id	int(11)		No					
treatment_id	int(11)		No			-> treatment.treatment_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
scope	varchar(20)		No				basically an HTML tag	

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14 treatment_type

Creation: Apr 22, 2022 at 10:42 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
treatment_type_id	int(11)		No					
treatment_type	varchar(100)		No					

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15 user

Table comments: mainly for researchers
Creation: Apr 22, 2022 at 10:42 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
user_id	int(11)		No					
username	int(20)		No					
user_full_name	varchar(50)		No					
user_role	varchar(30)		No					
password_hash	text		No					
password_salt	text		No					
last_login	timestamp		No	current_timestamp()	on update current_timestamp()			

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16 visit

Creation: Apr 23, 2022 at 03:44 AM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
visit_id	int(11)		No					
visitor_id	int(11)		No			-> visitor.visitor_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
treatment_id	int(11)		No			-> experimental_treatment.treatment_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
experiment_id	int(11)		No			-> experimental_treatment.experiment_id ON UPDATE NO_ACTION ON DELETE NO_ACTION		
browser	varchar(50)		No					
operating_system	varchar(50)		No					
ip_address	varchar(15)		No					
datetime	timestamp		No	current_timestamp()	on update current_timestamp()			

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17 visitor

Creation: Apr 22, 2022 at 10:43 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
visitor_id	int(11)		No					
last_visit	timestamp		No	current_timestamp()	on update current_timestamp()			

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text
- text_id
- title
- url
- licence
- subject
- owner_id

quiz
- quiz_id
- text_id
- quiz_name

quiz_question
- quiz_id
- qq_id
- question
- sort_order

quiz_response
- quiz_response_id
- qq_id
- quiz_attempt_id
- datetime
- attempt_time
- quiz_answer_id

quiz_answer
- qq_id
- quiz_answer_id
- answer
- hint
- correct

quiz_attempt
- quiz_attempt_id
- quiz_id
- visit_id
- datetime

visitor
- visitor_id
- last_visit

visit
- visit_id
- visitor_id
- treatment_id
- experiment_id
- browser
- operating_system
- ip_address
- datetime

experiment
- experiment_id
- experiment_name
- datetime
- owner_id
- text_id
- start_date
- end_date

user
- user_id
- username
- user_full_name
- user_role
- password_hash
- password_salt
- last_login

experimental_treatment
- treatment_id
- experiment_id
- ratio

treatment
- treatment_id
- treatment_type_id
- treatment_name
- treatment_scope

treatment_scope
- treatment_scope_id
- treatment_id
- scope

treatment_parameter
- parameter_id
- treatment_id
- parameter_type
- text_parameter
- num_parameter

treatment_type
- treatment_type_id
- treatment_type

behaviour
- behaviour_id
- behaviour_type_id
- visit_id
- behaviour_data
- datetime

behaviour_type
- behaviour_type_id
- behaviour_description