

## Database model documentation

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# 1. Model details

**Model name:**

A database model for an online survey. Part 1

**Version:**

2.3

**Database engine:**

MySQL

**Description:**

## 2. Tables

### 2.1. Table survey

#### 2.1.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	varchar(50)		
description	varchar(1000)	null	
updated	timestamp		

### 2.2. Table question

#### 2.2.1. Columns

Column name	Type	Properties	Description
id	int	PK	
text	varchar(200)		
updated	timestamp		

### 2.3. Table question\_order

#### 2.3.1. Columns

Column name	Type	Properties	Description
question_id	int	PK	
survey_id	int	PK	
order	int		

#### 2.3.2. Alternate keys

Key name	Columns	Description
question_order_ak_1	survey_id, question_id	

### 2.4. Table response

#### 2.4.1. Columns

Column name	Type	Properties	Description
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survey_response_id	int	PK	
question_id	int	PK	
respondent_id	int	PK	
answer	varchar(100)		

## 2.5. Table respondent

### 2.5.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	varchar(50)		
hashedpassword	varchar(100)		
email	varchar(254)		
created	timestamp		

## 2.6. Table survey\_response

### 2.6.1. Columns

Column name	Type	Properties	Description
id	int	PK	
survey_id	int		
respondent_id	int		
updated	timestamp		

## 3. References

### 3.1. Reference question\_order\_survey

survey	0..*	question_order
id	<->	survey_id

### 3.2. Reference question\_order\_question

question	0..*	question_order
id	<->	question_id

### 3.3. Reference response\_question

question	0..*	response
id	<->	question_id

### 3.4. Reference response\_respondent

respondent	0..*	response
id	<->	respondent_id

### 3.5. Reference survey\_response\_survey

survey	0..*	survey_response
id	<->	survey_id

### 3.6. Reference survey\_response\_respondent

respondent	0..*	survey_response
id	<->	respondent_id

### 3.7. Reference response\_survey\_response

survey_response	0..*	response
id	<->	survey_response_id

## 4. Areas

### 4.1. surveys subject area

#### 4.1.1. Tables

- survey
- question
- question\_order

#### 4.1.2. References

- question\_order\_survey
- question\_order\_question
- response\_question
- response\_respondent
- survey\_response\_survey
- survey\_response\_respondent
- response\_survey\_response

### 4.2. users subject area

#### 4.2.1. Tables

- respondent

#### 4.2.2. References

- question\_order\_survey
- question\_order\_question
- response\_question
- response\_respondent
- survey\_response\_survey
- survey\_response\_respondent
- response\_survey\_response

### 4.3. responses subject area

#### 4.3.1. Tables

- response
- survey\_response

#### 4.3.2. References

- question\_order\_survey
- question\_order\_question
- response\_question
- response\_respondent
- survey\_response\_survey

- survey\_response\_respondent
- response\_survey\_response