

# Data Design

# StudyBoard

## Team Members

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# 1. Data Table Schema

Notification	
notification_id	INTEGER
user_id	INTEGER
notification_text	VARCHAR
notification_date	DATETIME
notification_seen	BOOLEAN
PRIMARY KEY	notification_id
FOREIGN KEY	user_id REFERENCES User(user_id)

User	
user_id	INTEGER
user_email	VARCHAR
user_nickname	VARCHAR
user_is_endorsed	BOOLEAN
user_is_mod	BOOLEAN
user_flags_received	INTEGER
user_likes_received	INTEGER
PRIMARY KEY	user_id

Tag	
tag_id	INTEGER
tag_name	VARCHAR
PRIMARY KEY	tag_id

User_Tag	
user_id	INTEGER
tag_id	INTEGER
PRIMARY KEY	(user_id, tag_id)
FOREIGN KEY	user_id REFERENCES User(user_id) tag_id REFERENCES Tag(tag_id)

Post_Tag	
post_id	INTEGER
tag_id	INTEGER
PRIMARY KEY	(post_id, tag_id)
FOREIGN KEY	post_id REFERENCES Post(post_id) tag_id REFERENCES Tag(tag_id)

Post	
post_id	INTEGER
user_id	INTEGER
post_title	VARCHAR
post_text	VARCHAR
post_like_count	INTEGER
post_reply_count	INTEGER
post_favourite_count	INTEGER
post_date	DATETIME
PRIMARY KEY	post_id
FOREIGN KEY	user_id REFERENCES User(user_id)

Post_Image	
post_id	INTEGER
image_id	INTEGER
image_url	VARCHAR
PRIMARY KEY	(post_id, image_id)
FOREIGN KEY	Post_id REFERENCES Post(post_id)

User_Post_Like	
user_id	INTEGER
post_id	INTEGER
PRIMARY KEY	(user_id, post_id)
FOREIGN KEY	user_id REFERENCES User(user_id) post_id REFERENCES Post(post_id)

Post_Report	
report_id	INTEGER
post_id	INTEGER
user_id	report_id
report_text	VARCHAR
report_date	DATETIME
PRIMARY KEY	report_id
FOREIGN KEY	post_id REFERENCES Post(post_id) user_id REFERENCES User(user_id)

Reply	
reply_id	INTEGER
user_id	INTEGER
reply_text	VARCHAR
reply_like_count	INTEGER
reply_date	DATETIME
PRIMARY KEY	reply_id
FOREIGN KEY	user_id REFERENCES User(user_id)

Reply_To_Post	
post_id	INTEGER
reply_id	INTEGER
PRIMARY KEY	(post_id, reply_id)
FOREIGN KEY	reply_id REFERENCES Reply(reply_id) post_id REFERENCES Post(post_id)

Reply_To_Reply	
source_id	INTEGER
reply_id	INTEGER
PRIMARY KEY	(source_id, reply_id)
FOREIGN KEY	source_id REFERENCES Reply(reply_id) reply_id REFERENCES Reply(reply_id)

User_Reply_Like	
user_id	INTEGER
reply_id	INTEGER
PRIMARY KEY	(user_id, post_id)
FOREIGN KEY	user_id REFERENCES User(user_id) reply_id REFERENCES Reply(reply_id)

Reply_Report	
report_id	INTEGER
reply_id	INTEGER
user_id	report_id
report_text	VARCHAR
report_date	DATETIME
FOREIGN KEY	reply_id REFERENCES Reply(reply_id) user_id REFERENCES User(user_id)

Favourite_Question	
user_id	INTEGER
post_id	INTEGER
PRIMARY KEY	(user_id, post_id)
FOREIGN KEY	user_id REFERENCES User(user_id) post_id REFERENCES Post(post_id)

Search_History	
search_id	INTEGER
user_id	INTEGER
search_text	VARCHAR
search_time	DATETIME
PRIMARY KEY	search_id
FOREIGN KEY	user_id REFERENCES User(user_id)

Blacklisted_User	
user_id	INTEGER
PRIMARY KEY	user_id
FOREIGN KEY	user_id REFERENCES User(user_id)

## 2. Contributions

Contributions Made By		
Hawon Park	Jeong Ho Shin	Pyungkang Hong
Data Views		Web View Django Deployment
Research on MySql vs Sequelize	Schema Design	
Schema Optimization		
Web View Spell Check / UI feedback		