**Online Forum Database Design**

**Specification:**

Our group is going to design and implement a database for an online Forum. The forum, such as Quora and Stack Overflow, is used for posting blogs and answering technical questions for users in different areas and educational background. Generally, there is abundant information in different database entities such as users, questions, answers, and different relationship among these parts. For instance, users can raise a question online, and the question will be classified into corresponding area and interest. It will also be labeled, and recorded into the database, waiting for another user’s answer. After the question is answered, the information will be updated in the database, and there will also be a connection between the person who raise the question and the person who solve it.

To design such a database, we will set different parts of our database and figure out what kinds of attributes these parts contain. Also, we will carefully carry out the simplification on different schemas, for instance, we may normalize the database into different necessary normal form like 4NF to reduce the redundancy.

After the final implementation of the database, we expect to find the outcomes such as the hottest topics, user who answer most questions, different question areas. Also, for a better implementation, we may combine different other skills such as data mining, frontend, and backend design to express our outcomes.

**Team Information:**

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