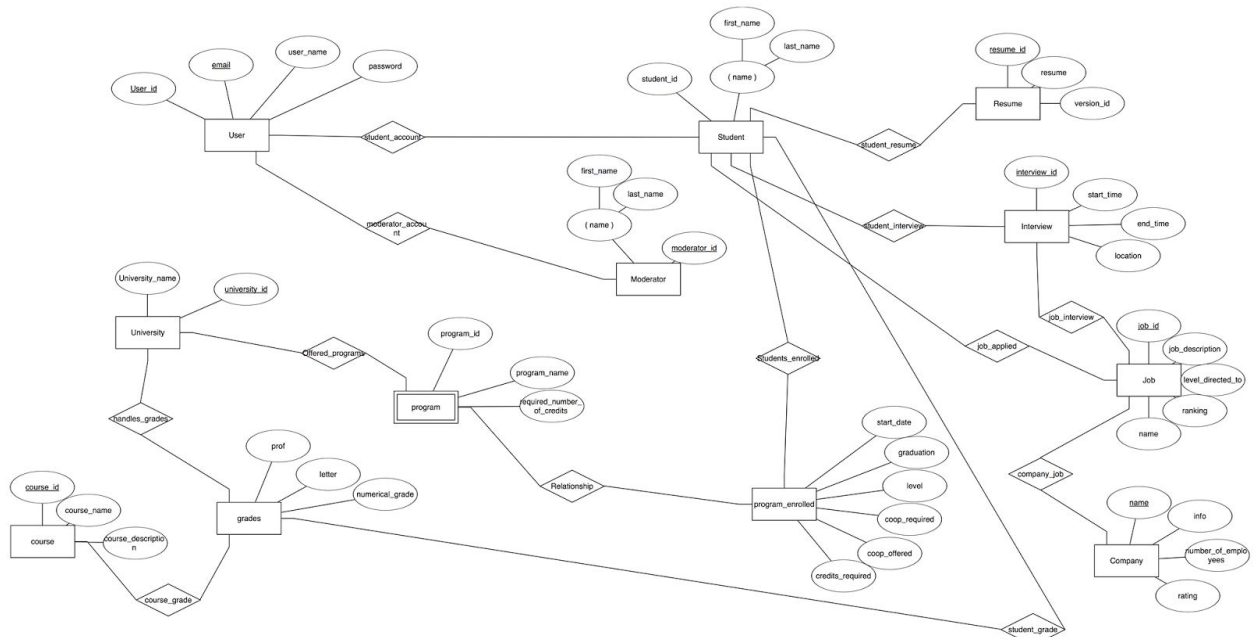
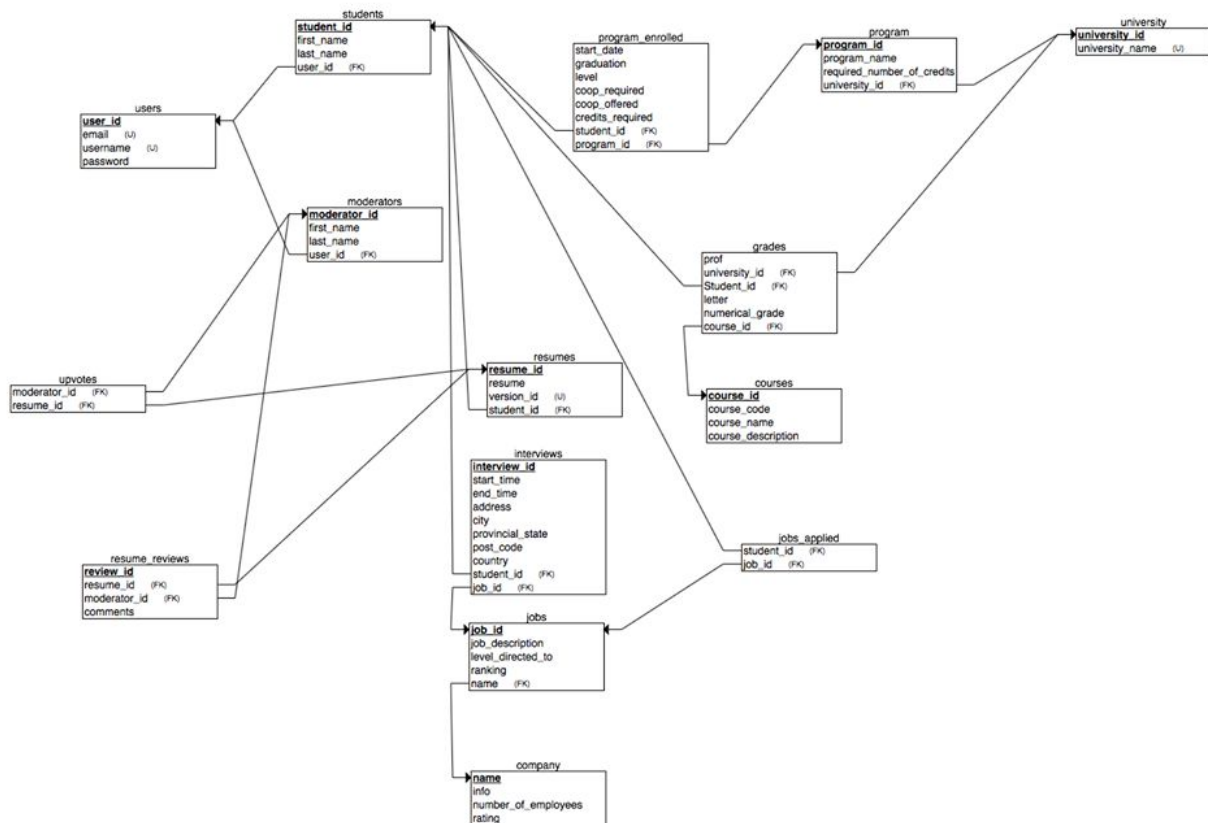


1) Draw the ER/EER diagram,



2) Convert it to a relational schema. Indicate primary keys, foreign keys and any other constraints you may have.



3)write SQL scripts for creating the database tables according to the relational schema and populate them with a reasonable number of tuples. Also include a series of 'drop table' queries that will drop all tables created.

On other file provided

4)You need to provide the final list of queries, triggers and assertions that you will implement in the final submission (only description at this point if you like) and how they are used.

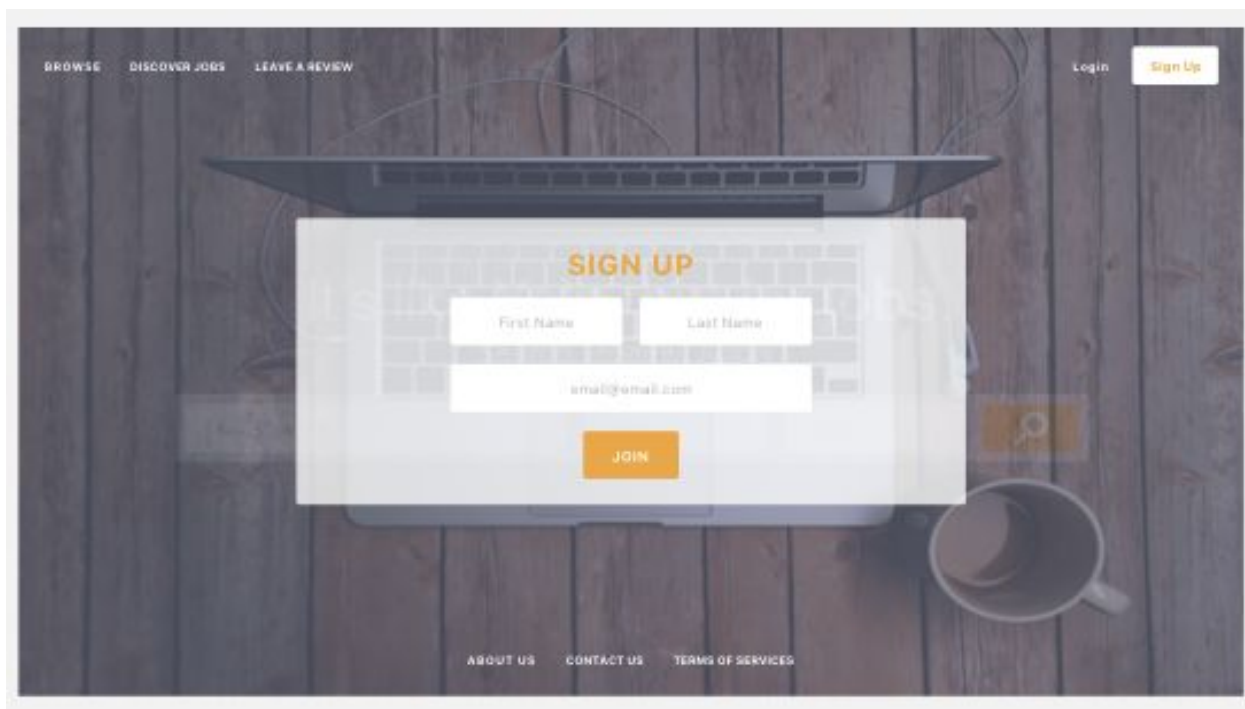
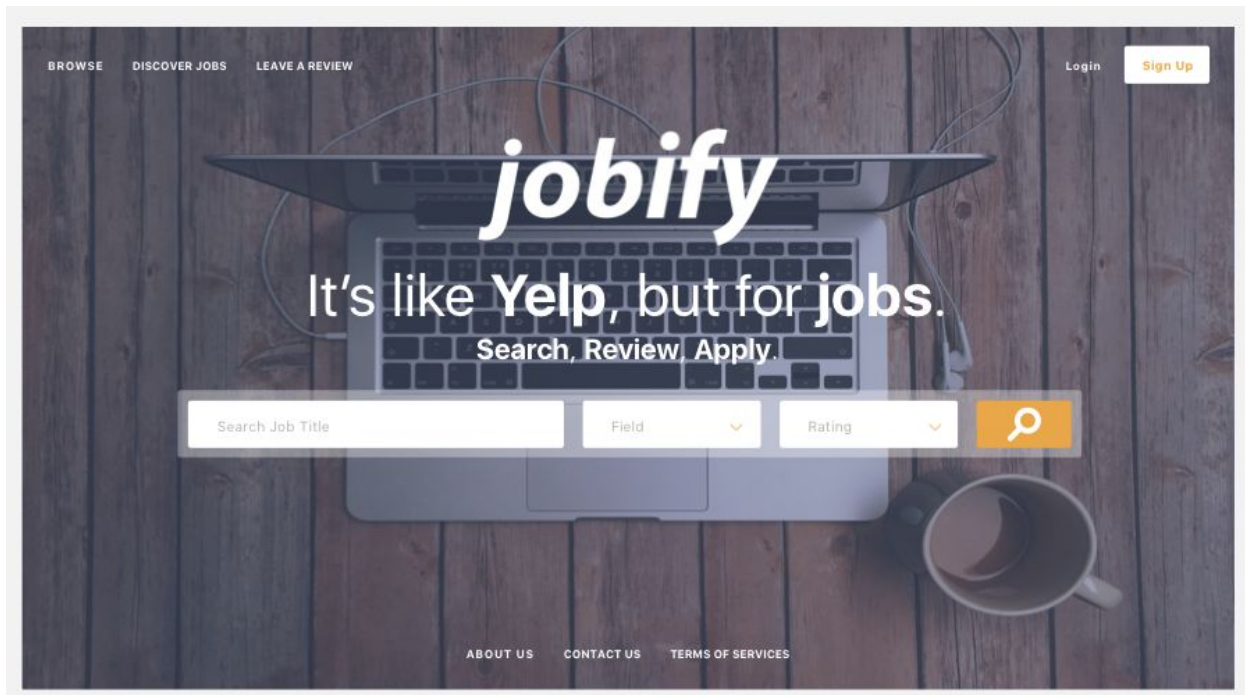
Triggers:

- After updating user information, save the changes
- When updating resume, save both the old and new version
- When something is upvoted, need to increase the count of upvotes.
-

Assertions:

- After insert of user, need to make sure that the user does not already have an account
- When student inserts program enrolled, insure that the program exist.
- Check the job information has all been inputted and is valid
- Check the user information has all been inputted and is valid
- When posting a job, need to make sure that job is not already posted for that company
- When adding a company insure that there are no two companies of the exact name
- When a user creates a account, need to check that the username is unique
-

5)You also need to include an initial design of the website and how it will be used.



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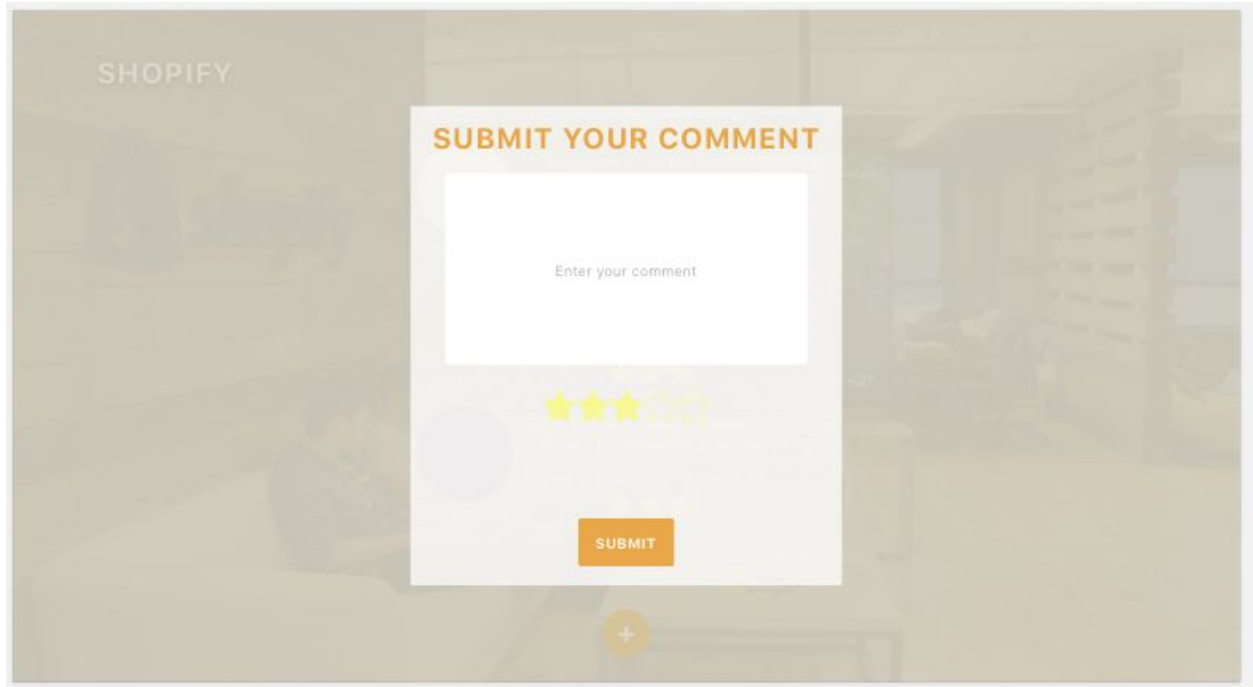
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Report of Contribution:

Kritika Wadhera, 8234314: Triggers and Assertions, Relational Schema

Abdulwahaab Ahmed, 8260269: Er diagram, SQL, Relational Schema

Ali Sanaknaki, 7745880: Web design, Relational Schema

Karim Chukfeh, 6694525: Triggers and Assertions, Relational Schema