Design Document for <<GETFUELED>>

Group <3_RK_2>

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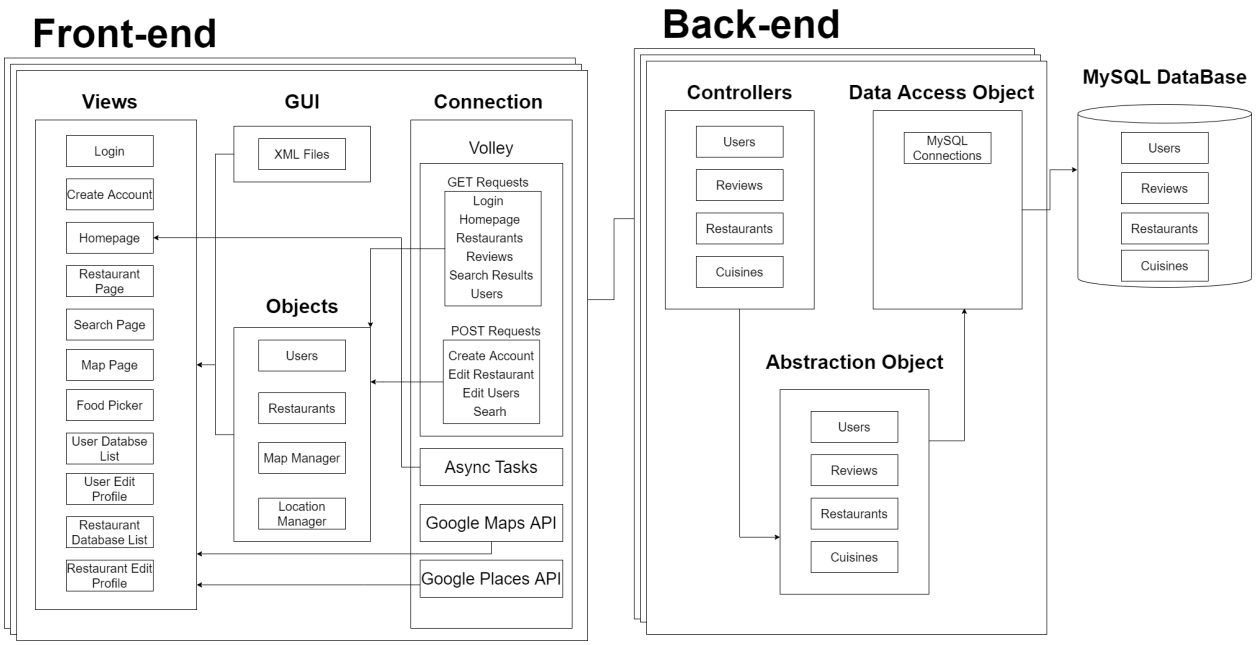
PUT THE BLOCK DIAGRAM PICTURE ON THIS PAGE! (Create the picture using pencil or drawIO)



Use this third page to describe complex parts of your design.

On the front-end side of our application, we mainly use xml files and java classes to control our application's graphical user interface. So for our app, we have the main feature which is the Food Picker feature. This feature uses an online github api. This api helps to generate the wheel of our food picker feature which we will then parse in data into it from the database. For example, the name and image of the restaurant.

Now moving on, we also have the map feature utilizing the Google Maps API and Google Places API, for users to view their current location and restaurants nearby them. The Google Maps API requires the google playstore to be installed and asks for location permissions before accessing the user location.

We also have a review feature. This feature allows users to leave reviews for restaurants to inform other users. We also have a search feature, for users to search for a cuisine that they crave. They can click on the cuisine, then a list of restaurants based on the cuisine they selected will be displayed on their screen.

Furthermore, we have a role for admin in which they can add restaurants and delete restaurants.

On the back-end, we have controllers such as Cuisine, Restaurants, Reviews and Users. We use a specific PUT method to assign a cuisine to a restaurant when adding the restaurant from the application to the database. Since a cuisine can have many restaurants but a restaurant can only have one cuisine. In addition, for the review controller, we have a specific PUT method where reviews given by the user appear on the restaurant that they reviewed. There is also a DELETE method to delete a review on a specific restaurant.

PUT THE TABLE RELATIONSHIPS DIAGRAM on this fourth page! (Create the picture using MySQLWorkbench)