
Design Document for <<Airplanned >>

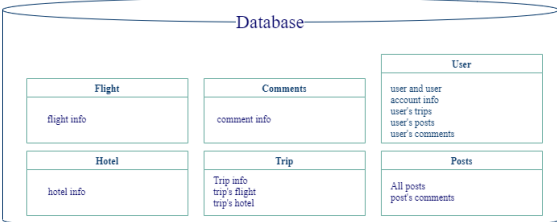
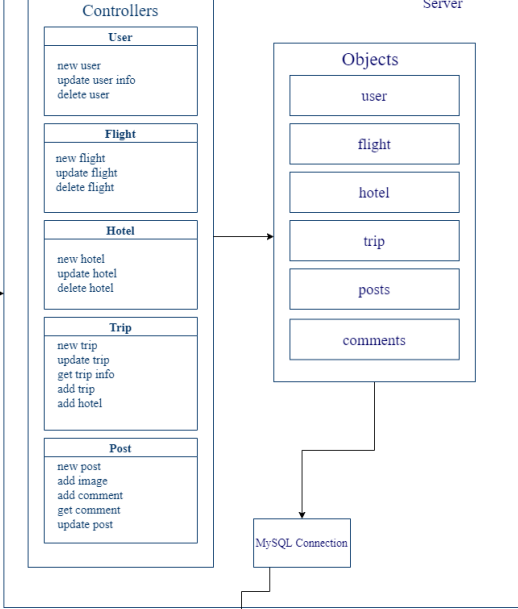
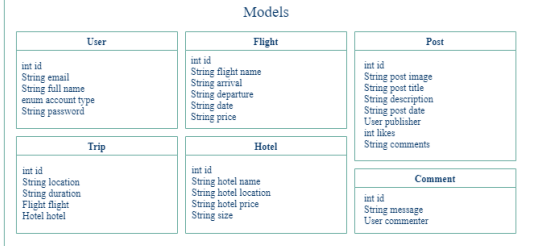
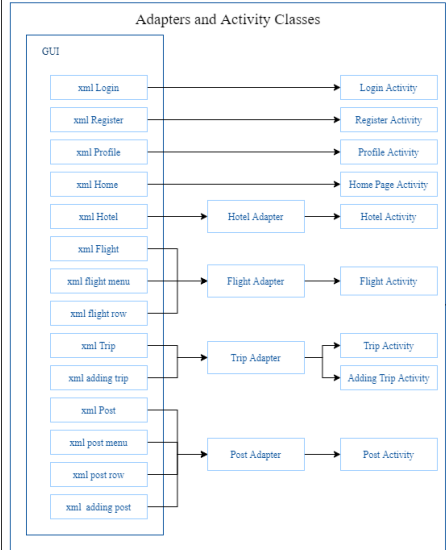
Group <3_rk_6>

Saiyara Iftekharuzzaman: % contribution

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There aren't very many extremely complex parts of our app, as it mainly deals with storing and sharing data rather than manipulating it.

The backend contains methods to create, update, and delete User, Flights, Lodgings, Trips, Posts, and Comments objects.

It also contains a method to log in a user by accepting their emailID as a path variable and their password in the body to check against the user's password as it is saved in the database.

There is also a method to find all the posts made on a specific day by sending the date in (as a String) as a path variable.

Finally, there are methods to add new comments to a post, to add flights and lodgings to a trip, and to add trips to a user.

Yet to be added are methods to access APIs to find real world data for flight and lodging information by searching by location and date.

The frontend combines xml and Java classes to control the application's graphical user interface. The frontend contains pages that users can interact with. All the data that the users put in are saved and stored in server. The frontend also shows all users' information on some screens such as profile page, posting page and planning trip list page and let users edit the information.

The register page let users save their email and password which is also the id for mapping with trips, posts in the backend. Once the user has an account and logs in, the app will lead the user to homepage in which user can access to all the pages by clicking on function icon including profile page, archiving trip page, flight page, lodging page, trip planning page and posting page.

Lodging and Flight information are implemented from API.

Planning trip page have the user access to flight page and lodging page in which the user can choose the real-world flight and lodging and save it inside a planned trip. Posting page lets the user post and comment and like post which are also stored so that the user can access to updating by commenting, getting commented and adding images.

