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## Design Document for RecipeReel

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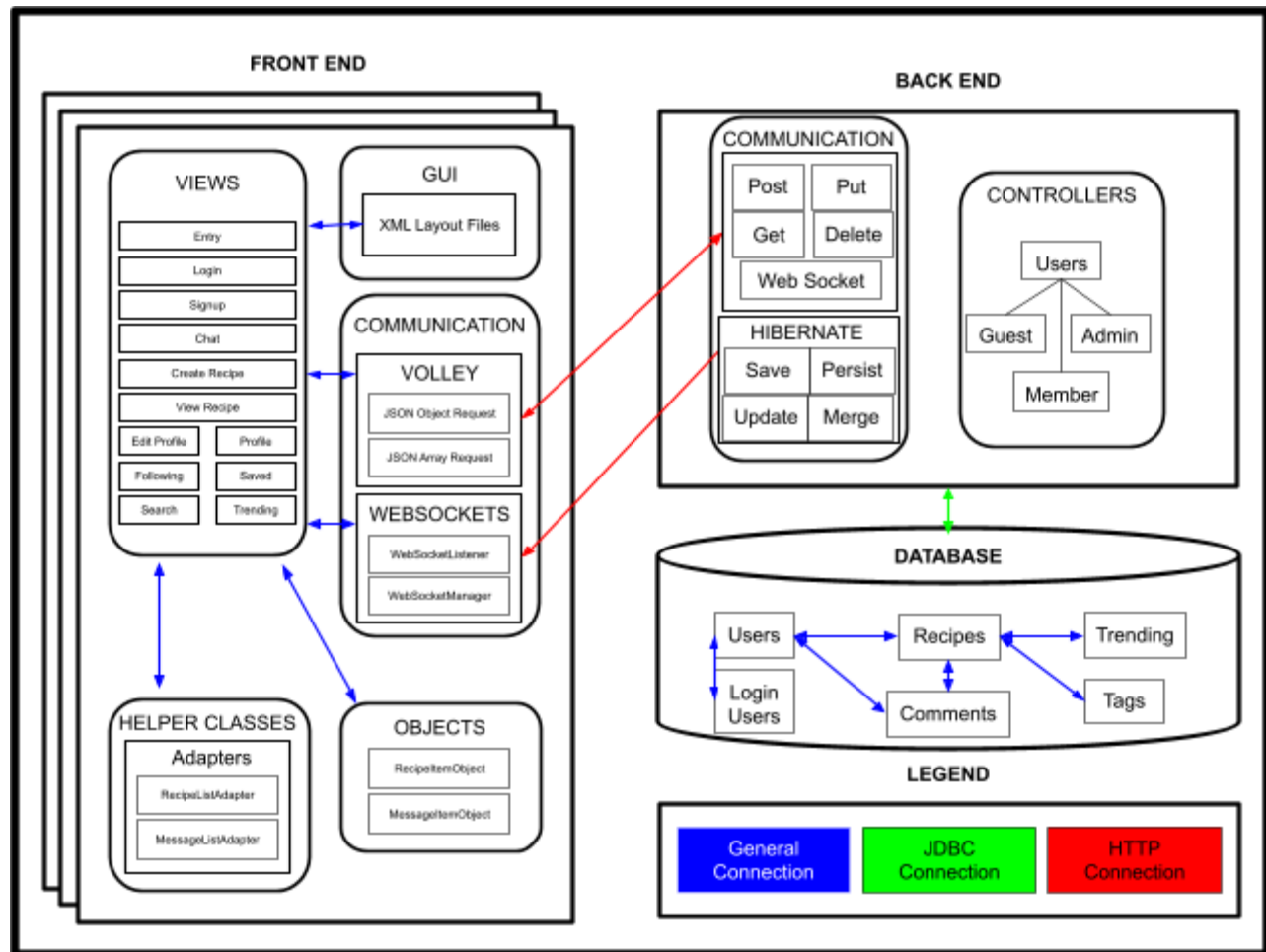
Group mk1\_3

Walter Goodzey: 25 % contribution (main focus: Frontend Diagram)

Will Curtiss: 25 % contribution (main focus: Backend Diagram)

Dave Borucki: 25 % contribution (main focus: BackendAPI)

Ryan McFadden: 25 % contribution (main focus: Frontend API)



## Frontend

### *Signup (Guest)*

- SignupActivity generates a page with the following elements:
  - EditText: usernameEditText, emailEditText, passwordEditText, confirmEditText
  - Button: signupButton, entryButton
- Clicking “signupButton” sends the values of the EditTexts above as a POST request to the server in an attempt to make a new account (given that the contents of passwordEditText and confirmEditText are the same).
- Clicking “entryButton” returns the Guest back to the Entry page, where there are options to log in, sign up, or continue as a Guest

### *Login (Member, Admin)*

- LoginActivity generates a page with the following elements:
  - EditText: usernameEditText, passwordEditText
  - Button: loginButton, entryButton
- Upon clicking the button ‘loginButton’ the values of the EditTexts above are sent as a POST request to the server as an attempt to login to the designated account. If the account does not exist or the password does not match the account’s password, the login is unsuccessful

### *EditProfile (Member, Admin)*

- EditProfileActivity generates a page with the following elements
  - EditText: usernameEditText, emailEditText, passwordEditText, confirmEditText
  - Button: saveButton, exitButton
- Upon clicking the button “saveButton” the values of the EditTexts above are sent as a PUT request to the server to update the User or Admin’s account information

## Backend

### *Communication*

The backend handles these requests when sent to the specified URLs for the various tables.

- Post: Creates an object to be added to the database
- Get: Requests the specified object to be retrieved from the database and returned to frontend
- Put: Edits an already existing object in the database
- Delete: Removes a specified object from the database

### *Controllers*

The different kinds of users that can interact with the application.

- Guest
  - Guests are only able to search for and read pre-existing recipes.
- Member
  - A member has a profile page they can edit
  - Members are able to create recipes and edit or delete their own recipes
  - Members can leave comments on recipes and like comments from other members
  - Members are also able to direct message other members
- Admin (In addition to everything a member can do)
  - An admin can delete other members recipes or profiles
  - Admins can delete other members comments
  - Admins can create or delete tags for members to add to their recipes

