

Gonzaga University Interactive Map

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GitHub Project URL:

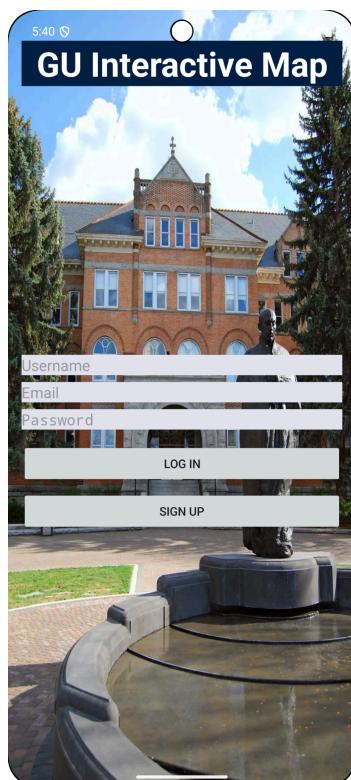
<https://github.com/GU-APP-DEV-2024/mobile-app-dev-project-deliverable-2-aee.git>

Tutorial/Demonstration of App

The Gonzaga Interactive Map is a mobile application designed to help Gonzaga University students navigate the campus more effectively. It provides an interactive map that includes key features where users can mark favorite spots, apply filters for specific location types (e.g., food, study areas, or classrooms), and enable notifications for selected favorites. This demonstration walks through key screens and interactions, including the login page, home page, filters, pin information, favorites management, and notifications.

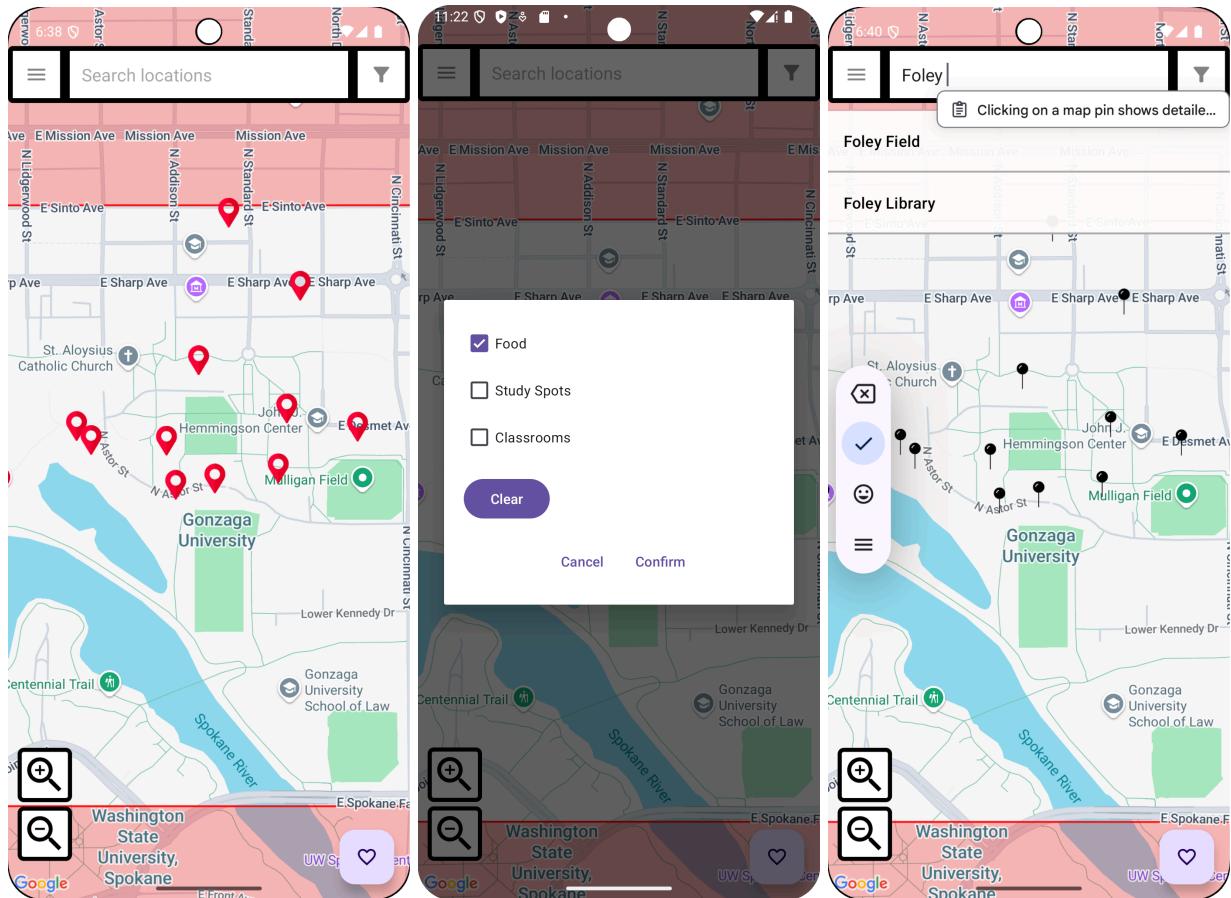
Landing Page – Login Page

The first screen is the login page, where users can enter a username, email, and password to create a new account. When logging in, they just need to input their email and password. Upon login, any saved data, such as favorite locations or preferences, is loaded and synced across devices. Information is loaded and stored locally from the database, so the app doesn't need to query the database consistently.



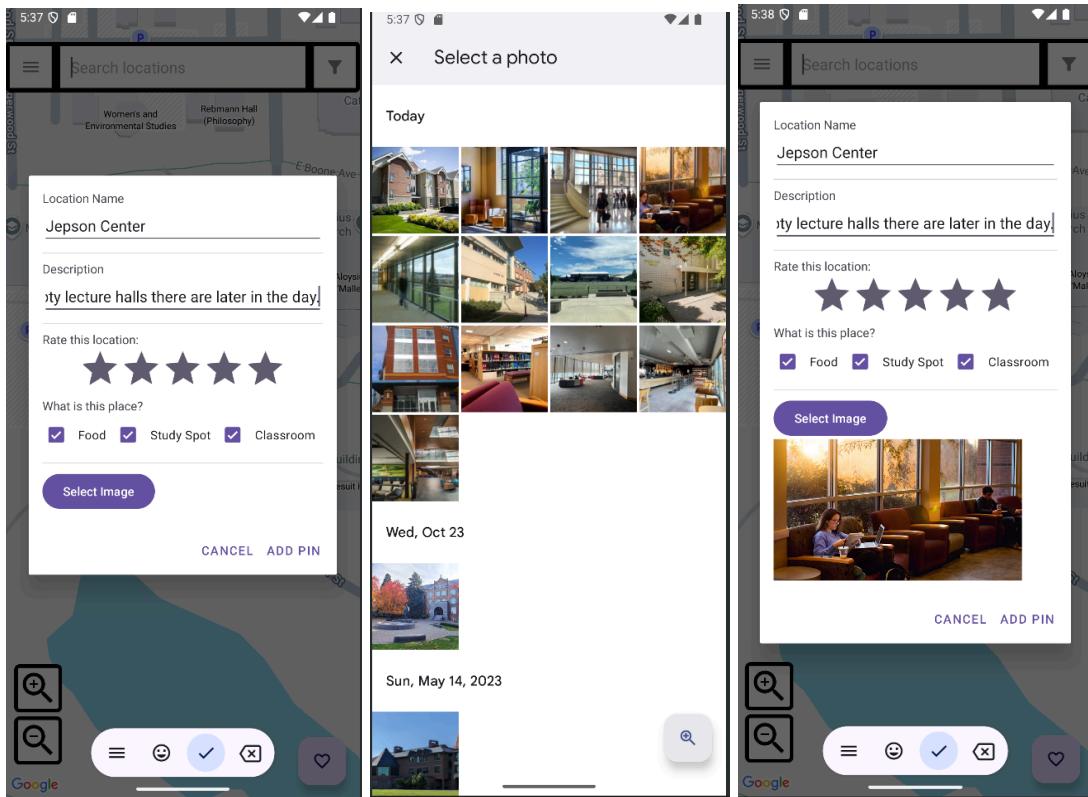
Home Page – Interactive Map

The home page displays an interactive Google Map of the Gonzaga campus with user-submitted pins. A filter button at the top-right opens a dialog box to narrow visible pins by tags, such as food or study spots. The search bar at the top lets users find specific locations by name.



Adding a Pin

Doing a long press on the map allows the user to add a pin to the map for all users to see. They are expected to input the name of the location, a description, a rating, and which tags are applicable to this location. They can then select an image from their gallery, and it shows up so they know it has been successfully loaded. Then, they click “add pin” to add it to the map.



Pin Information Page

Clicking on a map pin shows detailed information, including its name, photo, description, and rating. Users can mark the location as a favorite, leave a like or dislike, or leave a comment. If the user owns the pin, they also have the option to delete it. Selecting the comment icon brings up a page displaying all comments for the location.

The image consists of three side-by-side screenshots of a mobile application interface. Each screenshot shows a pin for "Hughes Hall".

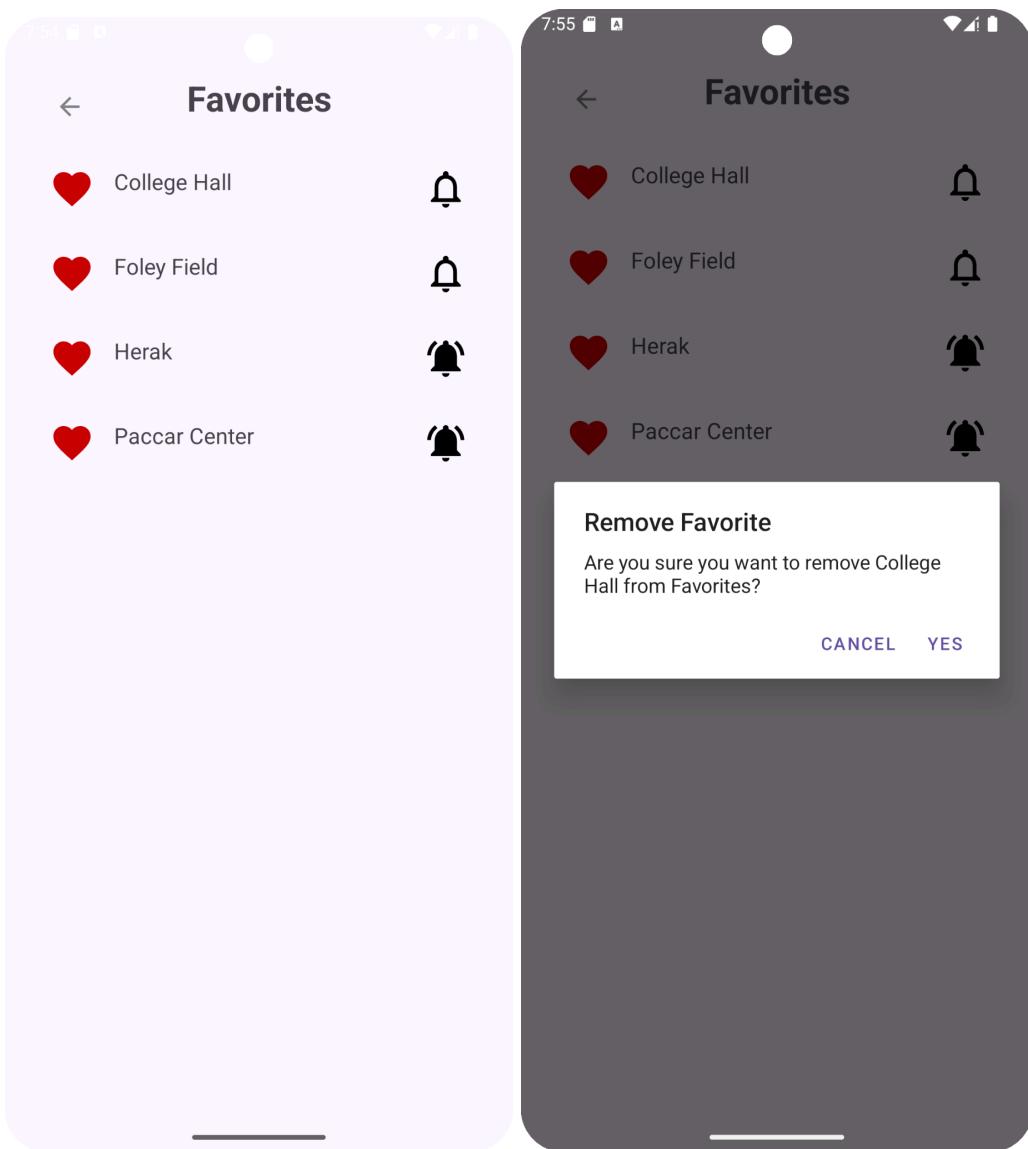
Screenshot 1 (Left): Shows a photo of a modern building with a glass facade and stone base. The text "HUGHES HALL" is visible above the entrance. Below the photo, the text "evan left this pin!" is followed by a "Favorite" button (a heart icon), a "Like" button (a thumbs-up icon with the number 1), a "Dislike" button (a thumbs-down icon with the number 0), and a "Comment" button (a speech bubble icon with the number 1). At the bottom, there is a button labeled "View from a different account.".

Screenshot 2 (Middle): Similar to the first, but the "Favorite" button is highlighted with a black outline. Below it, the text "Rating: 3.0" is shown. The other interaction buttons are identical.

Screenshot 3 (Right): Shows a list of comments. The first comment is by "ethanog" with the text "There's some nice places to sit on the first floor." and the timestamp "12/03/2024 17:19". Below this is a "Delete" button with a trash bin icon. At the bottom, there is a "Delete" button with a trash bin icon and a "Comment" input field with a placeholder "Add a comment..." and a send arrow icon.

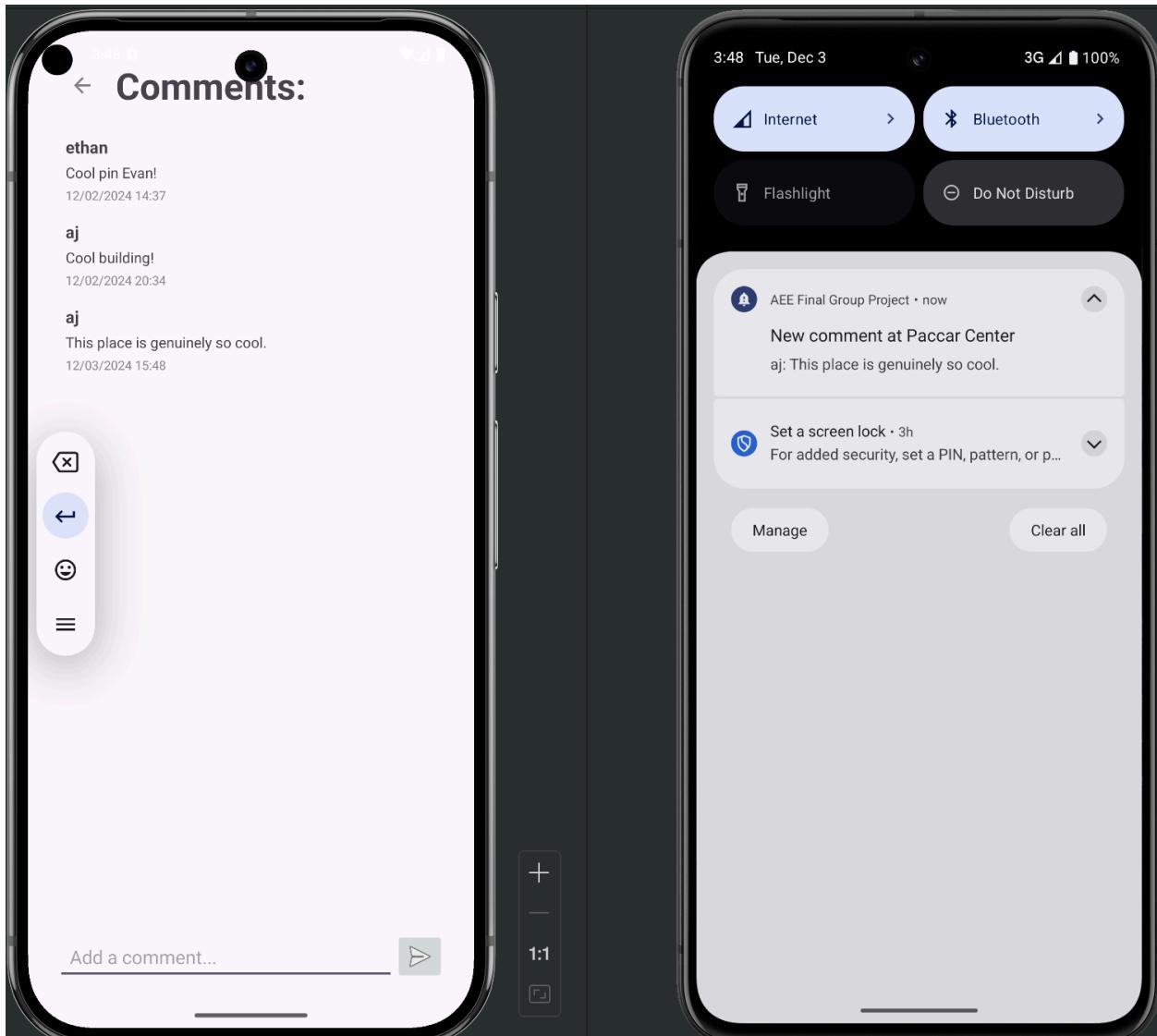
Favorites Page

The favorites page displays all locations users have marked as favorites. Users can remove a favorite by clicking the heart icon or toggle notifications for a favorite with the bell icon. Changes take effect instantly (stored in the database and locally for quicker access) and persist across devices when logged into the same account. Users can also click on the name of the location to take them to the page for that location (pin page).



Notifications

The notifications show up on the phone's notification center when the user has set notifications for their favorites. When another user adds a comment, they will see the name of the location from which they got the notification, the username of the user that added the comment, and the content of the comment. (*Note timestamps match)



Menu and Settings

Pressing the hamburger menu in the top-left corner opens a navigation drawer with the user's name, a link back to the home screen, settings, and a logout option. The settings page allows users to select from three custom pin options.

