Tasteful Panthers Milestone 3

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Tasteful Panthers

- Our app 'Tasteful Panthers' goal is to allow those who dine at PDH to review meals it offers, suggest new ones, and receive recommendations for what to try next

- Developed using cross-platform app development platform "Flutter" and its own language, Dart.

- Tested almost exclusively on Android to facilitate a quicker development process.

Task Matrix for Milestone 3

Task	Completion	Alex	Jiahao	Anthony	Lexi
Dev & Demo Reviews w/ Tags & Media	80%	40%	20%	20%	20%
Dev & Demo Menu Items Updated to App	100%	40%	20%	20%	20%
Dev & Demo GPS Triggered Notifications & Time Recording	80%	20%	20%	40%	20%
Dev & Demo User Accounts	100%	40%	20%	20%	20%

Task 1: Dev & Demo Reviews w/ Tags & Media

- Implemented nearly completed review screen,
- Started milestone with base review functionality. (writing to/reading meal ratings from database)
- Horizontal scroll element for tag selection
- Image upload to database for hosting and public access via image link

Task 1: Dev & Demo Reviews w/ Tags and Media

- Current Review Screen
- Tags and Images both optional media
- Allows for image capture in app and photo gallery access
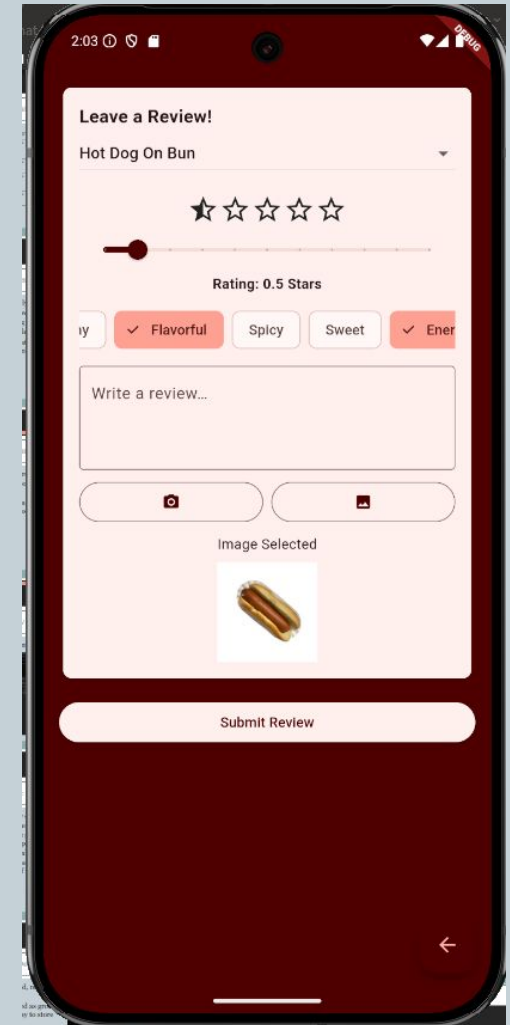
Task 2: Dev & Demo Menu Items Updating to App

- Menu items are stored in database sorted into the date the meal is offered, with meal period (breakfast, lunch, or dinner) saved to each meal.

- App reads all meals under the current date, and grabs all those who match the current meal period

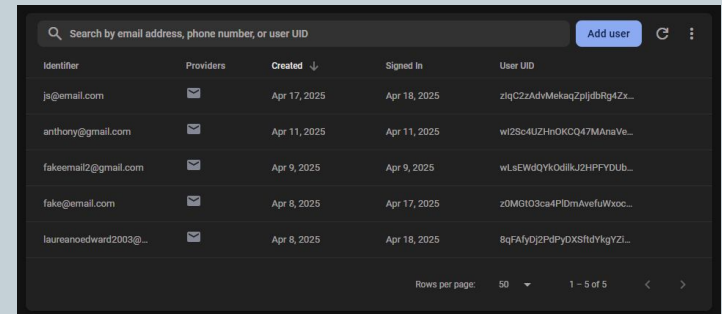- Alphabetically sorted dropdown list of all these meals for selection.
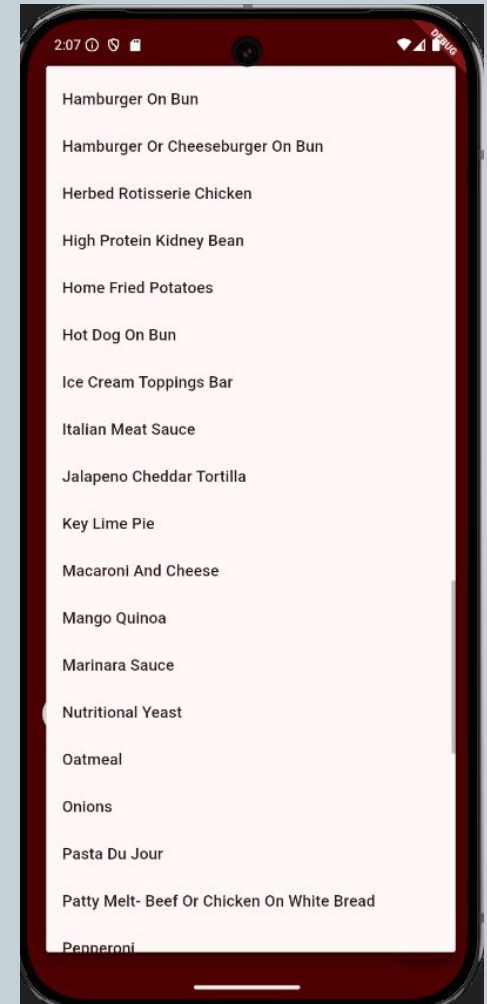
Task 3: Dev & Demo GPS Notifications & Time Recording

- GPS geofencing complete and able to determine when a user enters or exits PDH

- Records time spent at PDH by taking the difference between entrance and exit

- Calculates the users average time spent at PDH to provide review and recommendation reminder notifications
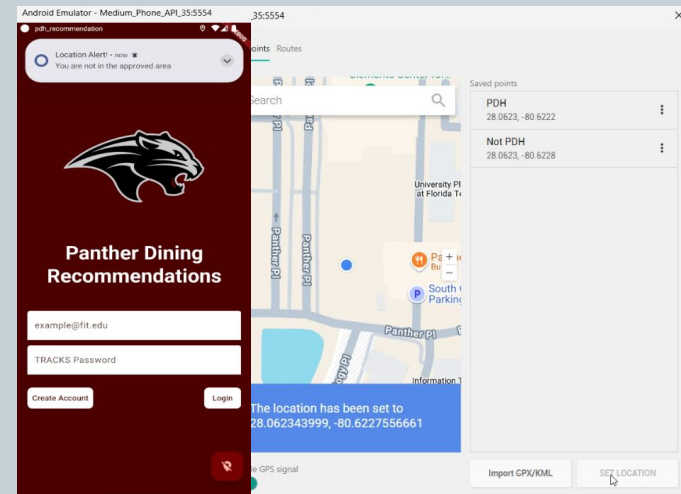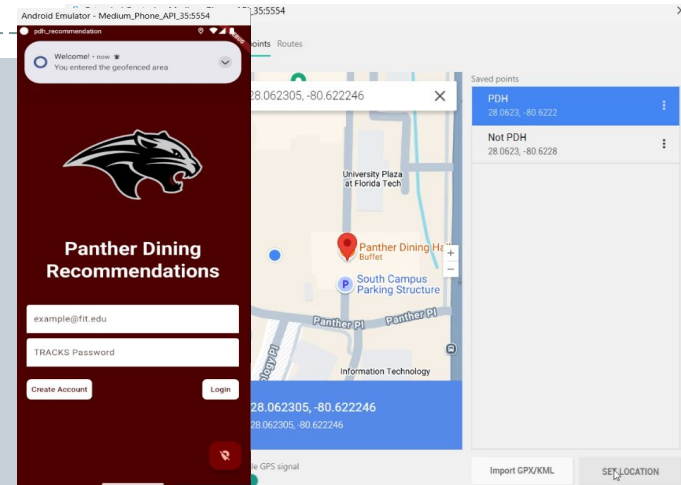
Task 4: Dev & Demo User Accounts

- Firebase allows for account functionality, account information handled directly by firebase

- Separate firebase collection representing extra data belonging to users including average PDH duration and username.
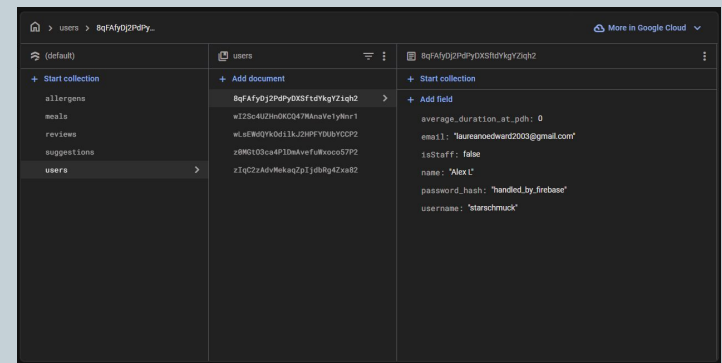
Firebase User Account Interface
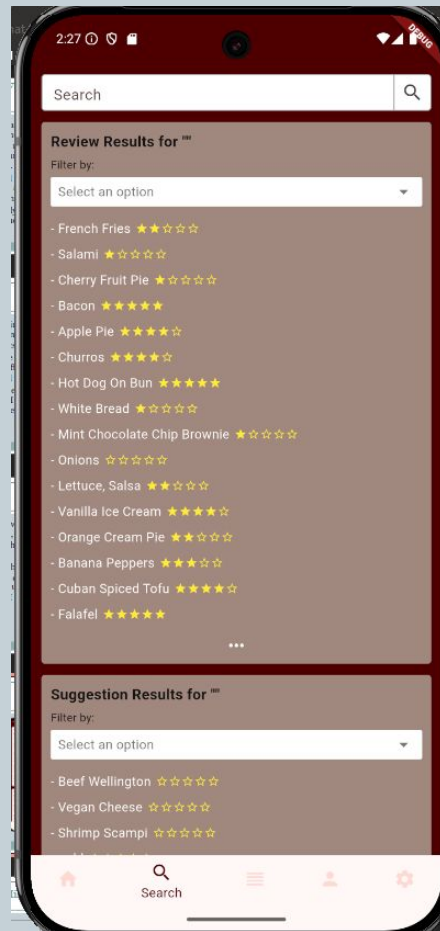

Database User Documents

Demo: Fully Implemented App Screens
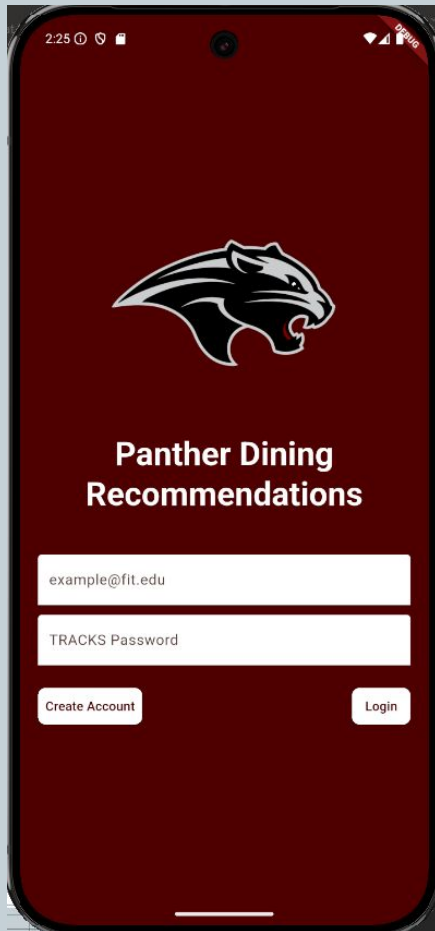
Log In
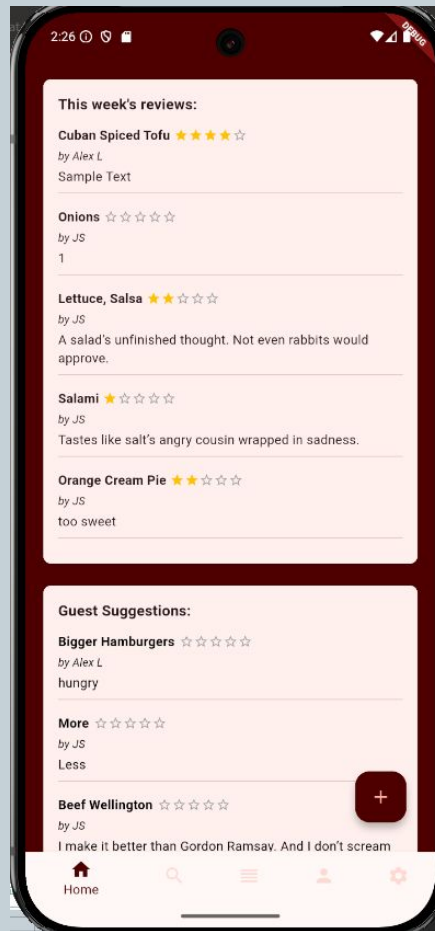
Home Screen

Search Screen
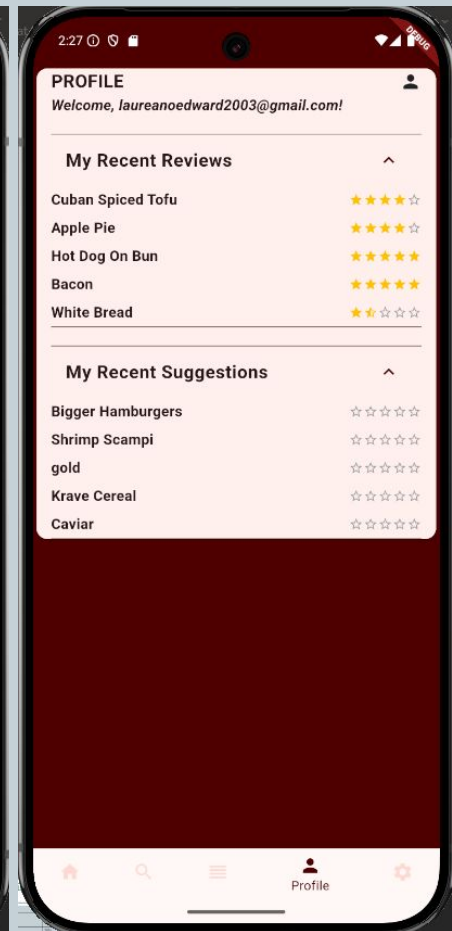
Profile Screen

Milestone 4 Task Matrix

Task	Alex	Anthony	Jiahao	Lexi
Dev & Demo Review Submission UI	40%	20%	20%	20%
Dev & Demo Review Filtering & Display	20%	40%	20%	20%
Dev & Demo Smart Notifications	20%	20%	20%	20%
Dev & Demo Enhanced User Profiles	20%	20%	40%	20%

Conclusion

- Questions?