

## Milestone 2 Progress Evaluation

### Tasteful Panthers: Food Recommendation at Dining Halls

#### Team Members

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#### Faculty Advisor

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#### Current Milestone Task Matrix

Task	Completion	Alex	Anthony	Jiahao	Lexi
Dev & Demo Accounts	10%	40%	20%	20%	20%
Dev & Demo Web Scraping	100%	20%	40%	20%	20%
Dev & Demo Mobile Reviewing	30%	20%	20%	20%	20%
Dev & Demo Database	80%	20%	20%	40%	20%

#### Discussion of Tasks

Dev & Demo Accounts - We set up a simple GUI for the login and signup page in our app. We also made a document outlining how user accounts are going to be structured in the database, along with a few other object types to be stored. The only task we did not get to was the actual user account creation that saves to our database.

Dev & Demo Web Scraping - PDH menu scraping from the school website is fully functional, and has been saved as a cloud function that is scheduled to run and update our database everyday at 12 am. Menu items are not yet being updated within our app.

Dev & Demo Mobile Reviewing - We have started on a GUI for creating mobile reviews within our app. Functionality includes a text box, meal selection dropdown, star rating, photo gallery, and camera. The only things missing are meal tags, video submissions, and the database implementation.

Dev & Demo Database - Menu information is being written and updated to our database, but we have not made any more connections besides this. Our plan for this milestone was to get reviews and user accounts saved to our database, but these two tasks did not get accomplished.

### **Discussion of Contribution**

Alex Laureano: I wrote the code for the app itself, including code for database interaction, image demos, gps demos, all GUI implementation. This included several screens for different purposes that interact with each other and external services like the database or image gallery.

Anthony Hordesky: I helped to write the document that outlines how user accounts and reviews are going to be structured in our database. I also set up the PDH menu scraping function as a cloud function to be scheduled to run/update everyday at 12 am. Finally, I incorporated heads up notifications and GPS grabbing into our flutter program to prepare for the GPS triggered notifications task coming up in milestone 3.

Jiahao Shu: I participated in the design of data types for the database. I conducted systematic testing of several key features on iOS devices, focusing on the login/signup interface, the review submission interface, and data interactions with the database. I also verified the performance of GPS location retrieval in real-world conditions to ensure the functionality runs reliably without crashes or lag.

Lexi Franklin: For this milestone, I designed a more intricate GUI for all screens, including more detail of what buttons redirect to where. I also altered some of the original screen designs after getting feedback on the original mock-up. I was able to test the app on macOS/iOS using the updated demo with added screens and functionality. I also contributed to the data types we will be using in our database. This was essential to help us successfully design a functional database when we implement it into our app.

### **Next Milestone**

<b>Task</b>	<b>Alex</b>	<b>Anthony</b>	<b>Jiahao</b>	<b>Lexi</b>
<b>Dev &amp; Demo Reviews with Tags and Media</b>	40%	20%	20%	20%
<b>Dev &amp; Demo Menu Items Updated to App</b>	20%	40%	20%	20%
<b>Dev &amp; Demo GPS Triggered Notifications and Time Recording</b>	20%	20%	20%	20%

<b>Dev &amp; Demo User Accounts</b>	20%	20%	40%	20%
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### **Discussion of Planned Tasks**

Dev & Demo Reviews with Tags and Media - We need to complete the review writing with tags, video, and save them to our database.

Dev & Demo Menu Items Updated to App - We need to connect current day menu items from the database to mobile application.

Dev & Demo GPS Triggered Notifications and Time Recording - We need to finish GPS triggered notifications when entering PDH, and record time of arrival/departure from PDH. These two times can then be used to calculate average guest duration at PDH, so we can send notifications about writing reviews about halfway through the guest's experience at PDH.

Dev & Demo User Accounts - We need accounts need to be connected to database, with profile structured with favorite dish, average time in PDH (refer to previous meeting notes)

**Dates Met With Client:** 3/7, 3/24

### **Client Feedback**

See Faculty Advisor Feedback below.

### **Dates Met**

We met with our Client/Faculty Advisor on 3/7 and 3/24

### **Faculty Advisor Feedback**

March 7th, 2025 -

- Review screen should show currently available meals for review
- Add search functionality to review screen to find meals easier
  - show options as they are typed
  - Prioritize liked meals in drop down
  -
- Missing tags
  - "Good for" tags
  - Things people might be looking for
  - Tags show options popular for current user first
- Images on next milestone
- Set up accounts, attach them to reviews

March 24th, 2025 -

1. Progress on milestone 2
  - a. Writing reviews is limited to gui without tags or database incorporation
  - b. Menu scraping is not connected to phone
  - c. Accounts have a gui for signup, but no saving to db

2. Suggestions for Milestone 3 Tasks

- a. Complete the review writing with tags, images, video, and save to db
- b. Connect current day menu items from db to phone
- c. Accounts need to be connected to database, with profile structured with favorite dish, average time in PDH (refer to previous meeting notes)
- d. Finish GPS triggered notifications when entering PDH, and record time of arrival/departure from PDH to calculate average duration at PDH, noti about writing reviews about half time after entering PDH

3. Finish Milestone 2 Progress Draft

- a. More detailed
- b. Finish by midnight 3/24/25
- c. Incorporate Milestone 3 suggestions into progress report from 2.
- d. Copy notes from Milestone 2 meetings as advisor comments