**CSE 115A – Introduction to Software Engineering Release Summary**

Hungry Slugs

Project Owner

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Developers

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**Key user stories and acceptance criteria**:

1. As a user, I want to be able to sign in to the platform, so I can keep track of what my preferences are.
   1. Sign in form: The login page must have a sign-in form that allows users to login using their Google account.
   2. Successful login: Upon logging in, the user must be successfully authenticated and are granted the ability to rate and comment on food.
   3. Error handling: The login popup must display clear and informative error messages for login issues.
2. As a student, I want to be able to search up dining halls serving my favorite food, so that I know which dining hall to go to.
   1. Search functionality: The search page must provide a search bar for students to enter the name of their desired food item.
   2. Dining hall display: Upon searching for a food item, the search feature must display a list of all dining halls that are currently serving that food item.
3. As a user, I want to review the food I get at the dining hall and share it, so that I can show the quality of the food being served.
   1. Rating system: The rating bar should offer a rating integer for users to indicate their overall satisfaction with the food.
   2. Backend: The rating system should be able to not only update the frontend, but also the backend data.
   3. Average rating: The new rating should update the food average rating and the backend rating data.
4. As a student, I want to see other people’s ratings of the food so that I know if the specific food is good.
   1. Visibility: User reviews must be publicly viewable by other users on the front end.
   2. Backend data: The front end should be able to pull the relevant rating data from the database.
5. As a student with allergies, I want to be able to filter out the dishes that do not contain dairy, so that I can find food options that fit my dietary preferences.
   1. Dietary filter: The search feature must provide a filter option for users to specify dietary restrictions, such as dairy-free
   2. Filtered results: When a user selects a filter, the search results must only display dishes identified as not containing the restriction in their ingredients and which dining halls they are served at.
   3. Multiple filter options: The search bar must offer additional dietary filters for all dietary restrictions on the dining hall page, allowing users to completely customize their search.
6. As a user, I want to be able to post pictures of food I get at the dining hall and share it, so that I can show the quality of the food being served.
   1. Image upload: The images page must allow users to upload pictures of the dining hall food they are reviewing.
   2. Image display: Uploaded pictures must be displayed on the images page.
   3. Visibility: User submitted photos must be publicly viewable by other users on the front end.
7. As a user, I want to be able to post comments on the food I get at the dining hall, so I can communicate with other users about the dining hall.
   1. Comment section: The comment page must include a dedicated comment section for each specific food item, allowing users to post comments.
   2. Editing comments: The comment section should allow for the user to edit or remove their comments.
8. As a student, I want to get notified when a dining hall is serving a specific food, so that I can know when and where my favorite food is being served.
   1. Notification system: Each page must have a notification system to alert subscribed users when their favorite food is being served at a dining hall, likely just the alert function from JS.
   2. Notification details: Notifications should clearly state the specific food item, dining hall location, and when the food is available.

**Known Problems**: List the major bugs (you can reference your Test Report), omissions (missing functionality, edge cases that are not handled), design shortcuts (e.g. hard coded data), etc.

* **Major Bugs**
  + Dynamic routes issue related to inputting incorrect url paths will lead to an indefinite loading screen on pages.
  + Can not save images to the database and thus preventing us from fetching these images to display them to other users.
  + Anonymous users are all considered the same user across all website sessions.
* **Minor Bugs**
  + A long delay (about 10 seconds) when loading the home page due to the data being web scraped when it has been a long enough interval for it to be updated. This caused by the front end pulling data from the UCSC dining hall website through the webscrapper, rather than just pulling the data from the database.
  + A long delay (about 5 seconds) when clicking on a location. It is not fully known why this is happening but it assumed that is related the http request to fetch all the data takes too long.
  + A new rating will not remain displayed when opening and closing a food category. However, the backend acknowledges the change; so when reloading the page the new rating will appear correctly.
  + A new comment will not remain displayed when switching pages on the food item page. However, the back-end recognizes the change; so when reloading the page the new comment will appear correctly. Also, if another user comments while you are viewing the comment page it will not appear until you reload the page.
  + Errors related to the use of LocalStorage are thrown in the console when using the search features on the website. However, the search still works with all of its functionality.
  + Users must click on the text of the buttons on the locations page to get to the food page rather than the button looking box around it.
  + Loading a user’s rating on the profile page takes a significant amount of time(10+)
  + Some of the styling varies between pages.
  + Some fonts and minor styling may vary depending on the OS or browser of the user.
  + The food data for the locations can be inaccurate if the location does not have anything currently offered.
  + GET request for favicon occasionally fails, but still loads image.
* **Not Implemented**
  + Icons on the homepage signifying if the dining hall is open as well as the dining hall’s hours.
  + Recommendations based upon other user’s reviews.
  + Hide which foods are unavailable at the dining hall despite it being on the menu through the use of user reports or school websites. This was clearly infeasible without further infrastructure on the school’s part.
  + While able to post comments and reviews, the specific ability to “share” them with other users has not been implemented.
  + Admin accounts that would be distributed to dining hall workers that are able to edit availability on foods that are no longer being served at the dining hall.
* **Shortcuts** 
  + Icons for food allergies are hard coded rather than webscraped.
  + Notifications are simply alerts. If this were an app, actual notifications could have been cool. Alternatively, the use of website pop ups could have worked, though this was not considered.
  + Screen scaling for smaller screens was not really considered, as such we only really account for normal desktop aspect ratios.

**Product Backlog**: Provide a list of the high priority user stories and bug fixes that can serve as a guide for a follow-on project.

* Analyze other users food preferences then use ML to find recommendations
* Track and predict how busy each dining hall is at any given time.
* As a user, I want to be able to post pictures of food I get at the dining hall and share it, so that I can show the quality of the food being served.
* As a dining hall employee, I want to be able to edit availability on foods that are no longer being served at the dining hall, so that students know ahead of time when a certain food is unavailable.