

Project: Edible

Group 5

Team: Haamed, Omar, Justin, Ludovic

Manager: Aditi Bansal

Internal Logical Files: User-identifiable group of related data maintained within the application.

-This is all the different user related data we would be storing in our tables

- Users
- Meals
- Favorite Meals
- User Preferences
- User Allergies

External Interface Files: User-identifiable group of related data referenced by the application but maintained within another application.

-User Auth & Menus

- We will be off-handing user authentication to Auth0. This will be used to store sensitive data such as Emails, Usernames & Passwords.
- We will be gathering our menus on a day to day basis by web scraping the websites of the dining hall websites where they store the meals.

External Inputs: Unique elementary process that processes data coming from outside the application boundary.

-Everything the user can directly alter/influence: Profile info, Reviews, Favorite meals.

- Users have inputs to update their profile. This includes everything such as Username, Password, Dietary restrictions/preferences.
- Users can also choose to leave reviews for the dining halls. This includes both a rating and a short summary, directly from the dining hall specific page.
- Users can also “favorite” dining halls/meals. This will happen by selecting a star on the page for that dining hall or entry for the meal.

External Outputs: Unique elementary process that sends data outside the application boundary. Calculations, derivation of data, or maintenance also takes place.

-Curation of: Menu, Favorites List, Meal Search.

- Menu: Lists the dining halls menu after taking into account user preferences/restrictions
- Favorites List: Compilation of users saved menu
- Meal Search: Takes into account meals currently on cycle and presents to the user.

External Inquiries: Unique elementary process that sends data outside the application boundary. Calculations, derivation of data, or maintenance do not take place.

-Dining Halls list page

- A listing of all the dining hall options, organized into groups based in university.
- Contains info on dining hall ratings + hours.

Function Points Calculation:

ILF: $(2 \times 15) + (3 \times 10) = 60$

$$\text{EIF: } 10 + 10 = 20$$

$$\text{EI: } 4 + 3 + 6 = 13$$

$$\text{EO: } 7 + 5 + 7 = 19$$

$$\text{EQ: } 3$$

$$60 + 20 + 13 + 19 + 3 = 115$$