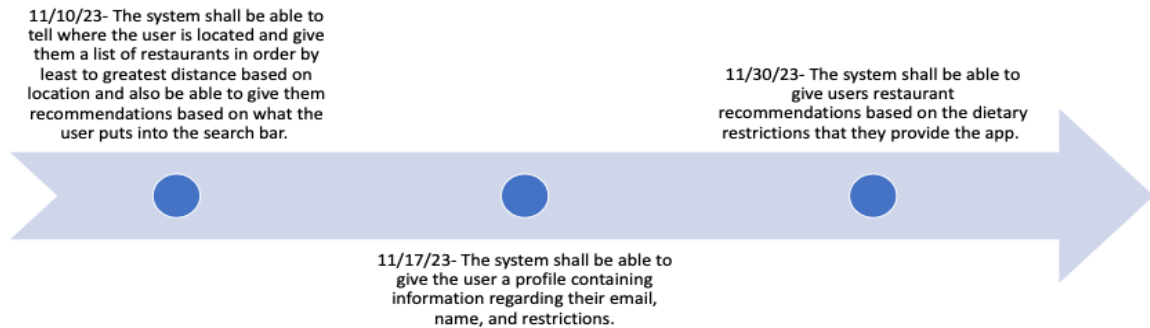


SDD/SWDD: Draft Planning Proposal

<p>Authors</p> <ul style="list-style-type: none"> • Jeremy Drag • Madelyn Boaz 	<p>Functional Description:</p> <p>The system will allow users to:</p> <ul style="list-style-type: none"> • Login to the application. • See recommended restaurants based on restrictions. • Go to profile to see information and edit any information within profile including. • View restaurants based on location and preference. • View restaurant profiles along with their contact info, menu, and directions to restaurant.
<p>User Interface:</p> <ul style="list-style-type: none"> • Mobile app for cellular devices. • The current storyboard is a draft of what the app will look like in the end. • Determining accurate information for allergies. • Getting accurate information regarding directions and contact info. • Refer to figures 1 and 2 for drawn out storyboard and Data Flow Diagram. 	<p>Data-Driven Prioritization</p> <ul style="list-style-type: none"> • Please see figure 3 for prioritizations of tasks for the project. • Items within the graph are based on surveys and user stories that were created in order to aid the creation of the system. • In order to figure out what methodology to use, research needed to be done. In the end, we decided on Kanban and the article we used can be seen in the works cited section. • Priorities of when things needed to get done were decided by looking at both our storyboard and DFD which can be seen in figures 1 and 2.
<p>Goals & milestones:</p> <ul style="list-style-type: none"> • The system shall be able to give the user a profile containing information regarding their email, name, and restrictions. <ul style="list-style-type: none"> ○ This epic focuses on giving users easy access to and control over essential account information, including their email, name, and dietary restrictions. This allows users to customize their restaurant recommendations to meet their specific needs and make sure they can verify and update their account details as needed. ○ Story one: As a user, I would like to be able to update the restrictions within my account so that I get the proper restaurant recommendations. ○ Story two: As a user, I would like to be able to see what email I used for my account so that I can make sure it is the most current one. • The system shall be able to give users restaurant recommendations based on the dietary restrictions that they provide in the app. <ul style="list-style-type: none"> ○ The system needs to be able to give recommendations based on restrictions otherwise it will not be considered a complete product ever. ○ User story: As a vegetarian, I would like to be able to update my restrictions in order to have only restaurants that support vegetarians recommended to me. • The system shall be able to tell where the user is located and give them a list of restaurants in order by closest to furthest distance based on location and also be able to give them recommendations based on what the user puts into the search bar. <ul style="list-style-type: none"> ○ In order to have a properly working system it needs to be able to track both user input and location. ○ User story 1: As a user, I would like to view recommended restaurants based on location and preference in order to quickly and easily decide on where to eat. 	

- User story 2: As a user, I would like to be able to search for specific foods in order to find restaurants that serve the dish(es) that I am looking for.

Timeline



Current and proposed solutions

In the current market, there is an issue with the underrepresentation of those with dietary restrictions. They may not have the resources to choose a restaurant that offers something on the menu that abides by their restriction, such as vegan, gluten-free, or even a religious restriction. This app also keeps proximity in mind, showing valid options at restaurants nearby. This app provides a solution to the issues faced by those who abide by a certain diet for whatever reason.

Figures

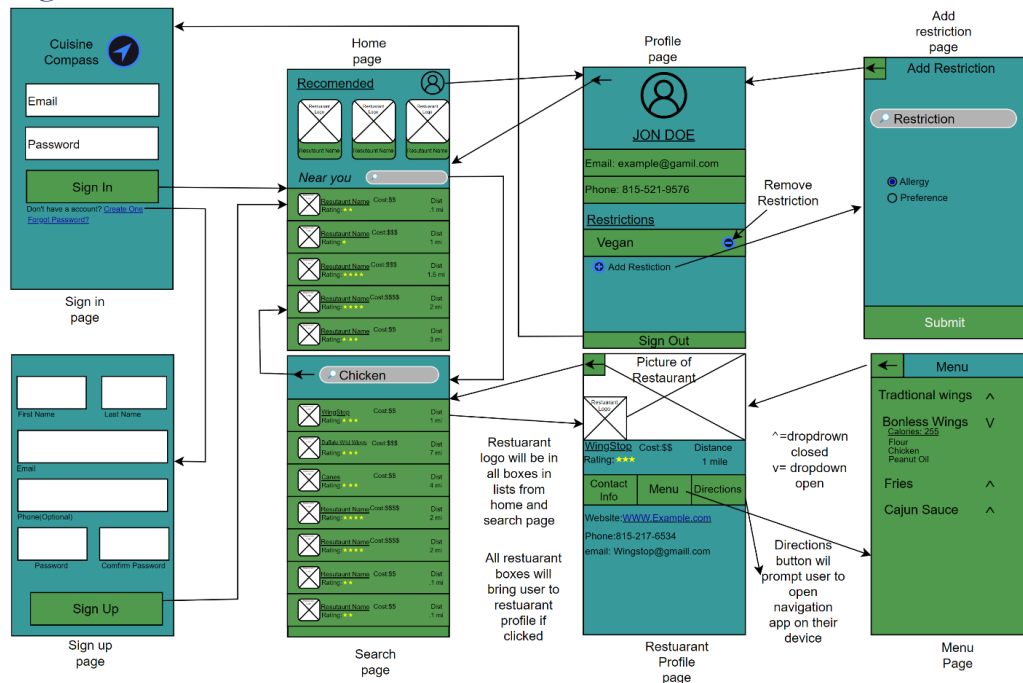


Figure 1 Storyboard for app.

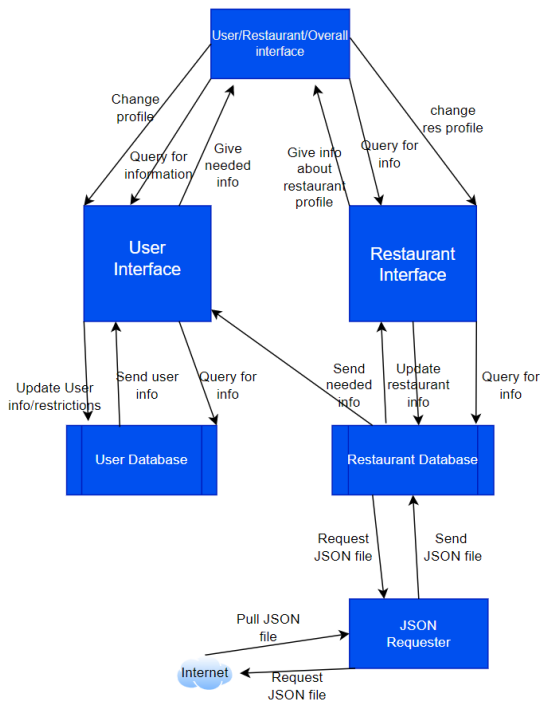


Figure 2 DFD for app

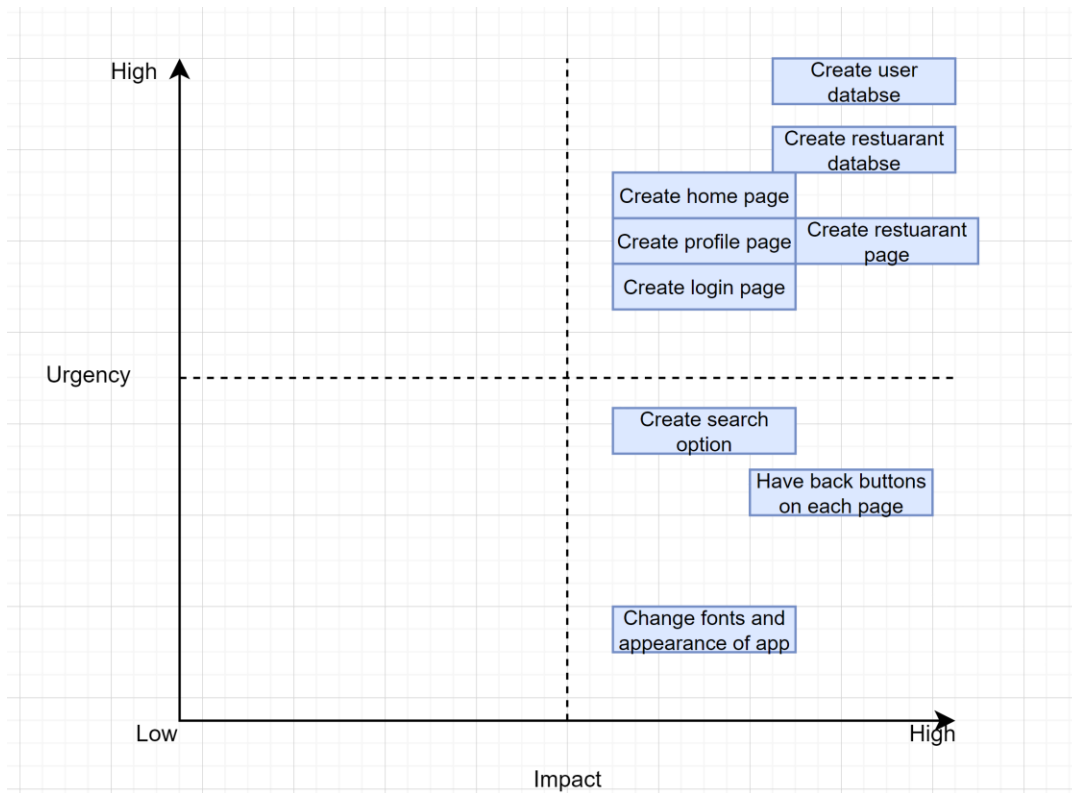


Figure 3 Prioritization Matrix

Works Cited

Cohen, E. (2022). Pros & Cons of the Kanban Method in Project Management. Project Management Software for Marketing | Workamajig. <https://www.workamajig.com/blog/kanban-methodology-guide/pros-cons-kanban-method>