

CS Capstone Design

Alpha Prototype Demo Grading Sheet (100 pts)

TEAM: MealsMyWay

Overview: The purpose of the Alpha Prototype Demo is to clearly demonstrate the extent to which all core user flows envisioned for the product are supported by the current implementation. The flow of the demo is very natural: you simply introduce each of the major usage scenarios, and then follow through each of them, just as an end-user would in using the product. Grading is based on how completely the current product supports all key functional aspects within a coherent, realistic user flow. Interface refinement, clunkiness, and aesthetics should be ignored for now; the focus is simply on functional ability to complete the user flow.

This template is fleshed out by the team, approved by the team mentor, and brought to demo as a grading sheet.

Overview of major product use cases

Based on the Requirements document and subsequent development discussions with your client and mentor, briefly describe each of the key use cases for your product:

UC1: Creating, selecting, and viewing Recipes: A normal user can create, edit, and delete recipes. They can browse existing recipes, select preferred ones, and add them to their meal prep calendar for planning.

UC2: Editing and saving a Calendar: Normal user will be able to log in and save a calendar for a given week. This will involve a user making changes to their calendar and saving them then leaving and being able to return to view those changes. Adding or removing recipes to a given week is the focus of this use case.

UC3: Adding and deleting items to a Pantry/Freezer: Normal users can log in and add items to their pantry or freezer, and delete them when they no longer have the ingredient. The added items are used in the grocery list generation to save the user from buying things they already have.

UC4: Generating a Grocery List from a Calendar: A normal user can click a button to generate a grocery list based on their planned meals. The system will call the DeepSeek API to compile a list of required ingredients, ensuring they have everything needed to prepare the selected recipes.

UC5: Generating a Prep List from a Calendar: A normal user will be able to click a button that will call the DeepSeek API to generate a set of instructions for prepping and preparing all of the recipes at one time. This will then display the prep list instructions on the calendar page

User Flows: Detailed walk-through for each use case:

In this section, we outline the demonstrations of each use case that we have prepared, giving a step-by-step outline of the user flow that would be followed by a real user for that use case.

Use case 1: Creating, selecting, and viewing Recipes

User Flow: Step by step overview of user interactions with product

1. First a user will log in or create an account
2. Then the user creates a recipe in the recipe field
3. The user can edit or delete this recipe as well as create more recipes
4. The user can select and deselect recipes to then be added to the calendar
5. The user will then be redirected to the calendar page where the recipes will be loaded into the recipe.

Evaluation and Comments:

- ✓ Convincingly demo'd each of listed challenges?
- ✓ Other evaluative comments:

Use Case 2: Editing and saving a Calendar

User Flow: Step by step overview of user interactions with product

6. The user will navigate to the calendar page and add three meals to the calendar
7. The user will then save the calendar and logout
8. Next, they will log back in to show that the calendar saved the users data

Evaluation and Comments:

- ✓ Convincingly demo'd each of listed challenges?
- ✓ Other evaluative comments:

Use Case 3: Adding and deleting items to a Pantry/Freezer

User Flow: Step by step overview of user interactions with product

9. The user will navigate to the pantry freezer page and add items to the pantry section
10. The user will add items to the freezer section
11. The user can delete items they mistakenly added to either section

Evaluation and Comments:

- ✓ Convincingly demo'd each of listed challenges?
- ✓ Other evaluative comments:

Use Case 4: Generating a Grocery List from a Calendar

User Flow: Step by step overview of user interactions with product

12. The user will direct themselves to the calendar page
13. The user will then click on the "Generate Shopping List" option

14. Once the grocery list is generated the user will click view grocery list and see it pop up on the calendar page

Evaluation and Comments:

- ✓ Convincingly demo'd each of listed challenges?
- ✓ Other evaluative comments:

Use Case 5: Generating a Prep List from a Calendar:

User Flow: Step by step overview of user interactions with product

15. The user will select the generate prep list option (this will take a minute)
16. Once the prep list is generated the user will click view prep list and see it pop up on the calendar page

Evaluation and Comments:

- ✓ Convincingly demo'd each of listed challenges?
- ✓ Other evaluative comments:

Known short-comings: Functionality still deficient/missing:

If there were challenges you listed earlier that were *not* covered by a demo, list here. This will hopefully be a short list...but better to be clear about where you are. If you have items here, you could list (if applicable) any pending plans/schedule to get this implemented.