

TECHCareers: Capstone Project Plan

Meal-planning Web Application

Team name: Puddlejumpers

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Project Summary:

Our web application simplifies users' lives by enabling them to plan their meals for the next day or week in advance, using their own favourite recipes. By doing so, it reduces stress, decision-fatigue, and cuts down on last-minute grocery store trips.

The problem to be solved:

Deciding on what to eat or what meal to serve the family three times a day can be a source of significant stress for many. We aim to provide our users with a convenient and easy-to-use repository for their favourite recipes and a way to organize them into daily or weekly meal plans. This could save them a lot of last minute decision-making, headaches about what ingredients they do or do not have on hand, and most importantly those energy- and time-consuming last minute trips to pick up that crucial missing ingredient.

Main features:

- User management (sign-up/login/edit profile)
- Recipes CRUD (add/edit/delete/etc.)
- Tags for sorting, calorie count as property for each recipe)
- Schedule (from recipe dropdowns)
- Dashboard to view schedule

Extra features (if time allows):

- Print-out of schedule for fridge
- Auto/random schedule generation

Screens:

- Landing/home page
- Sign-up/login screen
- User/profile management
- Dashboard (current plan view/edit)
- Schedule (build plan)
- Recipe list
- Individual recipe page (CRUD)

The stack to be utilized:

- .NET Core Web API
- React
- Redux
- MySQL

How the application covers each of CRUD:

- Create - The user will be able to create a profile so they can save their recipes/schedules (create username/password/schedule); The user will also be able to enter their own recipes (create new recipe with all its properties)
- Read - The user will be able display and browse their recipes (read from the database)
- Update - The user will be able to edit their recipes and schedules (update)
- Delete - the user will be able to delete recipes and schedules