**Statement of Work (SOW)**

**MealMind**

**4601 Mid Rivers Mall Drive**

**Cottleville, MO 63376**

**06/20/2025**

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# *Introduction/Background*

*MealMind is a web-based application designed to simplify meal planning and grocery shopping. The project was created in response to common struggles people face—like not knowing what to cook, forgetting ingredients, or wasting food. With rising grocery costs and busy schedules, many individuals find it difficult to consistently plan meals that fit their needs and budget. MealMind allows users to input ingredients they have on hand, and the system uses AI to suggest recipes that make the most of those items. It also generates a grocery list for any missing ingredients, helping users save time, reduce waste, and make smarter food decisions.*

# *Scope of Work*

*The MealMind project aims to deliver a responsive web application that helps users turn leftover or available ingredients into practical meal ideas, while also offering grocery suggestions when needed. The development team will focus on building the front and back end of the application using HTML, CSS, JavaScript, and React. This includes designing a clean user interface, integrating with a recipe API, and ensuring the system can generate accurate, user-specific recipe and grocery results. The project manager will oversee progress, coordinate team efforts, and contribute to front-end development. All team members will collaborate on testing, debugging, and refining the user experience to ensure the platform is intuitive, reliable, and ready for demonstration.*

# *Period of Performance*

*The MealMind project began in June and will conclude with a final presentation on August 1. Throughout this period, the team meets regularly on Thursdays and Saturdays from 6:00 to 8:00 PM, in addition to scheduled class sessions. This timeframe includes all phases of the project, planning, design, development, testing, and final review, to ensure the application is complete and ready for presentation by the deadline.*

# *Place of Performance*

*Work on the MealMind project is conducted remotely, with team members collaborating online through scheduled virtual meetings and shared digital workspaces. All development, communication, and file sharing will take place using tools such as Discord or GitHub unless otherwise coordinated during in-person class meetings.*

# *Work Requirements*

*The MealMind project requires collaboration between developers and the project manager to design, build, and deliver a functional web-based meal planning application. Developers are responsible for building both the front end and back end of the app using HTML, CSS, JavaScript, and React. This includes implementing user account creation, ingredient input, recipe generation via an API, and grocery list suggestions. The project manager will oversee timelines, facilitate communication, manage task assignments, and assist with front-end development. All team members are expected to participate in regular meetings, code reviews, testing, and debugging to ensure progress and quality throughout the project lifecycle.*

# *Schedule/Milestones Team meetings will take place weekly on Thursday and Saturday from 6-8pm. Phase one of the project is due June 23, 2025, with the presentation for phase one the following day, June 24, 2025.*

*Project phase two will be due on July 7, 2025, with the presentation being due the following day, July 8, 2025.*

*Project phase three will be due on July 21, 2025, with the presentation the following day, July 9, 2025.*

*Project phase four will be due on July 28, 2025, with the FINAL presentation the following day August 1, 2025.*

# *Acceptance Criteria*

*The MealMind project will be considered complete and accepted if it includes all core features outlined in the project plan. Users must be able to create an account or proceed as a guest, input available ingredients, and receive recipe suggestions based on those inputs using an integrated API. If any additional ingredients are required, the application should generate a corresponding grocery list. The user interface must be responsive, visually organized, and intuitive to navigate. All primary features should function reliably, with minimal bugs or errors. The final version of the project must be presented on time, reflect equal contributions from all team members, and include a properly organized source code with clear version control using tools like GitHub.*

# *Other Requirements*

*All team members are expected to maintain active communication, attend scheduled meetings, and contribute consistently throughout the project timeline. Code should be written clearly and include comments where necessary to explain functionality. Work must be regularly pushed to a shared GitHub repository to ensure version control and team visibility. Any third-party tools, libraries, or APIs used in the project must be properly credited and documented. In addition, a brief walkthrough or user guide should be prepared for the final presentation to demonstrate the app’s functionality and development process.*

**Acceptance**

Approved by:

Date: