

DEAKIN UNIVERSITY

APPLIED SOFTWARE ENGINEERING

ONTRACK SUBMISSION

Project Management

Submitted By:

Likith SOMASHEKAR

s223602808

2025/04/09 21:09

Tutor:

Faisal ALAM

Outcome	Weight
ULO1	◆◆◆◆◆
ULO2	◆◆◆◆◆
ULO3	◆◆◆◆◆
ULO4	◆◆◆◆◆

This process taught me to balance technical implementation details with real user value, a critical skill in software development.

April 9, 2025



SIT725 – Applied Software Engineering

Task 5.1P – Project Management

User Story	As a home cook with leftover ingredients, I want to input my available ingredients and see potential recipe matches from a pre-defined list, So that I can get ideas for using my leftover ingredients.
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Task	Task Description	Estimated Hours
1	Create static ingredient selection interface <ul style="list-style-type: none">• Build a basic HTML form with checkboxes for 20 common ingredients.• Implement simple CSS styling for the form.• Add a submit button to trigger recipe lookup.	2
2	Create pre-defined recipe dataset <ul style="list-style-type: none">• Manually create JSON file with 10-15 simple recipes• Include ingredient lists, basic instructions, and estimated cooking time• No database integration, just local data	1.5
3	Implement basic matching algorithm <ul style="list-style-type: none">• Write JavaScript function to compare selected ingredients with recipe requirements• Calculate simple match percentage based on available ingredients• Sort recipes by match percentage	2
4	Design and implement results display <ul style="list-style-type: none">• Create basic HTML/CSS template for displaying matched recipes• Show ingredients the user has and what they're missing• Implement simple responsive design for mobile/desktop	1.5
5	Add final touches and testing <ul style="list-style-type: none">• Test the application with different ingredient combinations• Fix any bugs in the matching algorithm• Add basic error handling	1