

DEAKIN UNIVERSITY

APPLIED SOFTWARE ENGINEERING

ONTRACK SUBMISSION

Sprint 1 Review (Group)

Submitted By:

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Group Members:

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

Team Work

May 19, 2025



SIT725 – Applied Software Engineering

Task 9.2P – Sprint 1 Review

1. Link to the MVP Video:

<https://youtu.be/l66ygf29e8w>

2. Our SRS remains unchanged since 7.3P

- 3.

Planned Sprint 1 tasks	Completed	In Progress	Cancelled/Moved to Sprint 2
Design Registration/Login Page UI	X		
Develop Frontend Form (React + MaterializeCSS)	X		
Connect frontend to backend API	X		
Make registration/login pages responsive	X		
Design MongoDB schema for Users, Recipes, Ingredients	X		
Setup MongoDB and test connection	X		
Write a recipe seeding script	X		
Setup Node.js project and routing	X		
Create Home page layout	X		
Add frontend form validation			Moved to Sprint 2
Test MongoDB CRUD operations			Moved to Sprint 2
Write project setup instructions			Moved to Sprint 2
Document APIs (register/login)			Moved to Sprint 2


Setup secure password hashing using bcrypt			Cancelled
Create backend API for user registration/login	X		
Develop admin script to manage users and recipes	X		
Test registration/login APIs with REST	X		



4. Individual Contribution

5. Name	Main Role/s	Target Grade
Dhananjay Choudhari	Frontend Developer, UI/UX Developer	C
Likith Somashekar	Backend Developer, Database Specialist	C
Utkarsh Aggarwal	Full Stack Developer, Scrum Master	C

Dhananjay Choudhari



Criteria	Pass -> "can do allocated work with guidance"	Credit -> "performs their role in the Project"	Distinction -> "can see themselves in the team and assist others"	High Distinction -> "can demonstrate excellence"
Core Development			<input checked="" type="checkbox"/> <p>Frontend Development for RemixMeals - Implement React.js SPA with responsive design using Materialize CSS - Develop reusable UI components with proper state management - Create user registration, login, and ingredient input interfaces following MVC architecture - Build recipe card displays components with feedback mechanism</p>	
CRUD			<p>Advanced CRUD operations including: - Data validation for user inputs - Input sanitization for ingredient entries - Form validation with proper error handling - Implement bulk update for user profiles</p>	



Design			 <p>Frontend design contributions: - Create HI-FI mockups in Figma for all major screens - Develop clickable prototype demonstrating user flows - Design responsive interfaces for both desktop and mobile</p>	
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SRS	 <p>Contributed significantly to the SRS document: - Drafted Introduction, Product Scope, and Overall Description sections - Defined UI/UX requirements in detail</p>			
Testing	 <p>Manual testing contributions: - Create test cases for frontend components - Document test procedures for UI workflows - Test responsive design across multiple devices - Conduct browser compatibility testing</p>			
Real Time			Real-time implementation: - Integrate Socket.IO on frontend - Implement real-time recipe updates - Create notification system for recipe suggestions	




Discuss with Tutor during workshop			Will discuss with tutor in week 8 to get feedback on UI design and frontend architecture	
Leadership			<input checked="" type="checkbox"/> Support team leadership: - Assist project leader with frontend coordination - Provide UI/UX expertise during planning sessions - Help mentor junior team members on frontend tasks	
Tools	Pass	Credit	Distinction	High Distinction

GIT			<input checked="" type="checkbox"/> Will use feature branches for each UI component - Follow structured git workflow - Create separate branches for major features	
Trello			<input checked="" type="checkbox"/> Will maintain well-documented tasks: - Clear naming conventions - Detailed descriptions - Regular updates on progress - Use checklists and labels	
README file		Will contribute to the README: - Frontend setup instructions - UI component documentation - Environment configuration details		

Criteria	Pass -> <i>"can do allocated work with guidance"</i>	Credit -> <i>"performs their role in the Project"</i>	Distinction -> <i>"can see themselves in the team and assist others"</i>	High Distinction -> <i>"can demonstrate excellence"</i>
Core Development			 Backend Development: - Implement Node.js backend with RESTful API - Develop MongoDB database models and schemas - Create controllers following MVC architecture - Implement authentication and authorization system - Design efficient database queries	
CRUD			Advanced CRUD operations: - Implement data validation & error handling - Develop role-based access	
			control (RBAC) - Create bulk operations for recipe database - Implement soft delete functionality	
Design			 Backend design: - Create detailed system architecture diagram - Document database schema design - Define API endpoints and data flow	

SRS		 <p>Contributed to SRS document: - Developed Specific Requirements (Functional and Non-Functional) - Defined database requirements and constraints</p>		
Testing		<p>Testing contributions: - Create manual test cases for API endpoints - Document testing procedures - Develop input validation tests</p>		
Real Time			<p>Real-time implementation: - Implement Socket.IO for backend - Create broadcasting sockets for multiple users - Develop real-time data synchronization</p>	
Discuss with Tutor during workshop			<p>Will discuss with tutor in week 9 to get feedback on database architecture and API design</p>	
Leadership			 <p>Leadership excellence: - Act as Project Leader</p>	

			 <p>G Scrum Master consistently throughout the project - Lead all sprint planning, review, and retrospective sessions - Provide overall technical direction and architectural decisions - Mentor team members on database and backend challenges - Coordinate between frontend and backend teams - Manage project timeline and deliverables - Serve as main point of contact with stakeholders</p>	
Tools	Pass	Credit	Distinction	High Distinction
GIT			 <p>Will use feature branches: - Create branches for each API endpoint - Follow structured workflow - Proper commit messaging</p>	
Trello			 <p>Will maintain well-documented tasks: - Clear task descriptions - Regular updates - Use of labels and checklists</p>	
README file		Will contribute to README: - Backend setup instructions - API documentation - Database configuration guide		

Criteria	Pass -> "can do allocated work with guidance"	Credit -> "performs their role in the Project"	Distinction -> "can see themselves in the team and assist others"	High Distinction -> "can demonstrate excellence"
Core Development	 Integrate Admin Portal with the ability to create/edit and modify rules.		Full-Stack Development: - Integrate frontend and backend components - Implement Socket.IO for real-time communication - Create authentication middleware - Set up deployment infrastructure - Develop error handling system across application	
CRUD		CRUD operations: - Implement recipe suggestion algorithm - Create feedback mechanism - Develop user profile management		
Design			 System architecture: - Create comprehensive system architecture diagram - Document API endpoints and integration points - Design deployment architecture	
SRS			 SRS contributions with research: - Documented External Interfaces, Use Cases, and System Architecture -	

			Researched industry standards and best practices - Compared with similar recipe suggestion systems	
Testing			Advanced testing: - Implement end-to-end testing for critical user workflows - Set up automated testing framework - Prepare test coverage report - Document testing methodology	
Real Time				
Discuss with Tutor during workshop			Will discuss with tutor twice (weeks 8 and 10) to get feedback on integration architecture and testing approach	
Leadership			<input checked="" type="checkbox"/> Support team leadership: - Assist project leader with system integration - Provide full-stack expertise during planning sessions - Help mentor team members on integration challenges - Support end-to-end testing implementation	
Tools	Pass	Credit	Distinction	High Distinction
GIT				<input checked="" type="checkbox"/> Implement release branches - Feature branches aligned with Trello - Manage version control - Set up CI/CD integration

Trello			Well-documented tasks: - Detailed descriptions - Regular updates -	
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			Use of all Trello features - Integration with Git commits	
README file		README contributions: - Complete project documentation - Detailed setup instructions - Testing procedures - Deployment guidelines		

5. Tech Stack

- Currently Using:
 - HTML5
 - CSS3
 - JavaScript
 - Materialize CSS
 - JQuery
 - Animate.css
 - Google Fonts
 - Material Icon
 - Node.js
 - Express.js
 - MongoDB
 - Mongoose
 - The MealDB API

6. Github Repository

<https://github.com/Screwlogist/Remix-Meals>

