



GROUP ASSIGNMENT

EASYBITES

TECHNOLOGY PARK MALAYSIA

CT050-3-2-WAPP

WEB APPLICATIONS

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1.0 Introduction



We all know that cooking brings people together. In our fast-paced digital world, many people are looking for simple, easy-to-follow recipes that fit their lifestyle and cooking skills. But let's be honest – most existing recipe platforms can feel overwhelming, cluttered, or just plain confusing, especially if you're just starting out in the kitchen.

That's where EasyBites comes in! We're creating a clean, beginner-friendly platform where users can easily share and discover recipes that actually work. Our platform will include everything you need: account creation, recipe browsing, recipe posting, and admin moderation. We're designing it specifically to make cooking feel less intimidating and help build a real community of home cooks.

On the technical side, we'll be building this web application using HTML5, CSS, JavaScript, and C#, with full CRUD functionality and database integration for storing users, recipes, and feedback. Both user and admin modules will be implemented.

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2.0 Objectives

1. Create a user-friendly web-based recipe-sharing platform that's perfect for home cooks, students, and anyone just getting started in the kitchen..
2. Build in complete database support for managing recipes, user registration/login, and feedback using CRUD operations..
3. Make it easy for users to share their own recipes and discover new ones through organized browsing and search features..
4. Set up a secure admin interface so administrators can easily manage users and recipe content.
5. Use modern web development best practices including structured layout, responsive design, and proper form validation.

3.0 Mission Statement

Our mission is to boost people's confidence in the kitchen by creating a simple, interactive platform where anyone can share or find quick, easy recipes – making home cooking more accessible, enjoyable, and social..

4.0 Audience Modelling

Audience	Needs	Skills
Beginner Cooks	Easy-to-follow recipes, basic ingredients, visual aids	Low to moderate

Students	Affordable, fast meals, user-friendly browsing	Moderate web literacy
Busy Parents	Time-efficient, trusted family recipes	Basic digital usage
Food Enthusiasts	Platform to share their creations and receive feedback	Moderate to high web usage

5.0 Project Scope

The platform will function as a recipe repository and sharing tool. It includes both **user** and **admin** modules with full CRUD operations connected to a back-end database. The app supports:

- User registration/login
- Viewing, uploading, and editing recipes
- Admin moderation tools
- Guestbook/feedback system

5.1 Website Features and Functional Scope

1. Multi-Page Structure

Interconnected pages with a consistent layout and responsive navigation.

2. HTML5 Elements

Use semantic tags for better structure and accessibility.

3. CSS Styling

Modern UI using CSS grid/flex layouts with a consistent theme and color palette.

4. Database Operations (CRUD)

- Insert: Add new recipes, users, and feedback.
- Display: Show recipe lists, profiles, and reviews.
- Update: Edit recipes, profile details.
- Delete: Remove outdated recipes or incorrect data.

5. User Module

- Register/Login
- Submit, view, and edit personal recipes
- View other users' recipes and leave feedback
- Save favorite recipes

6. Admin Module

- Admin Login
- Approve or delete recipe content
- Manage user accounts and flagged content
- Control categories and feedback moderation

7. Form Validation

- Input checks for required fields, image upload size, and format
- Validation on both client and server-side

8. Navigation Support

- Fixed header/footer with menus
- Breadcrumbs and pagination for easy browsing

9. File Organization

- Structured folders for assets, recipes, user data
- Clear naming conventions

10. Development Tools

- Use Microsoft Visual Studio and/or Visual Studio Code for building and testing the site.