BudgetBites Company Report

https://github.com/Manan-KK/BudgetBites.git
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Company Description:

Budget Bites is a meal-planning web app designed specifically for college students who want to eat well without draining their wallet. The app helps users generate weekly meal plans and grocery lists that prioritize low-cost ingredients, simple recipes, and minimal cooking equipment for dorm kitchens or shared student apartments. Users can input dietary restrictions, food preferences, cook time preferences, a weekly budget, etc., and Budget Bites will match them with affordable recipes and meal plans optimized for cost and convenience. With these personalized results, users can save their favorite recipes and add these recipes to their grocery list. The grocery list will automatically show the user the ingredients needed to buy along with the price and amount of each ingredient, allowing the user to be more connected and in control of what they put on their plate.

Project Tracker:

https://github.com/Manan-KK/BudgetBites/projects?query=is%3Aopen

Video:

https://drive.google.com/file/d/1YAATeQCX7c12MCBKr284RIJBNrcW4x2p/view?usp=drive_link

Contributions:

Justin: In the design phase, I created the wireframes (lo and hi spec) using Relume.io. During the coding phase I floating around the frontend, database, documentation, and testing, specifically with the CSS of the grocery list and preferences, JavaScript in index.js and Handlebars and HTML in register.hbs for the login and registration page, HTML in discover.hbs,

Manan: In the design phase, I planned out the database relations and the search algorithms. During the coding phase, I created the database, the API routes, the search algorithms, and then afterwards the datadump. After the datadump, I refined search algorithms further to use the datadump mostly and enrich entries with additional information from the API.

Will: In the design phase, I created the Use Case UML diagram and helped shape the project outline and code skeleton. During the coding phase, I focused on frontend and UI/UX, building the Register, Discover, and Logout pages while improving the site's branding through logo updates, a refined color scheme, and a CSS variable-based theming system. I also supported testing and regression checks, then finished with final styling polish to ensure visual consistency across the app.

George: In the design phase, I helped with planning. During the coding phase, I created a lot of the website's front end using HTML. I also handled much of the CSS styling and added interactive elements

with Bootstrap and Handlebars. I also help to add the preferences on the settings page, as well as setting up the settings page and favorites pages. Additionally, I helped with some of the testing and deployment.

Use Case Diagram:

Project Board:
- https://github.com/users/Manan-KK/projects/5

User Acceptance Testing (UAT) Report
- https://github.com/Manan-KK/BudgetBites/blob/main/MilestoneSubmissions/UserAcceptanceTesting.md

ReadMe.md:
- https://github.com/Manan-KK/BudgetBites/tree/main

Render Link
- https://budgetbites-9erp.onrender.com

Wireframes:

Navigation Bar
[BudgetBites Logo]   [Home] [About] [Help]

Welcome Section
[BudgetBites Badge]

Welcome back to BudgetBites

Features:
• Grocery lists
• Budget tracking
• Favorite recipes

[Create Account]

Login Form
Sign in to account

Username/Email

Password

[Sign In Button]

Don't have account?
[Register here]

Navigation Bar
[BudgetBites Logo]   [Home] [About] [Help]

Registration Form
Create Account

Registration Info:
• Username required
• Valid email
• Password 6+ chars

Username

Email

Password

Confirm Pass

[Register Button]

Already have account?
[Login here]

Navigation Bar
[BudgetBites Logo] [Dashboard] [Discover] [Favorites] [Settings]
[Logout]

Hero Section
[Welcome Badge]
Your BudgetBites Dashboard
Track meal planning, favorites, discover recipes
[Discover Recipes] [View Favorites]

[Quick Stats Card]
• Meal planning made easy
• Budget-friendly options
• Personalized recommendations

Overview Section

Favorites [Heart Icon]	Discover [Search Icon]	Settings [Gear Icon]
Save and organize favorites	Find new recipes	Customize preferences
[View]	[Explore]	[Manage]

Navigation Bar
[BudgetBites Logo] [Dashboard] [Discover] [Favorites] [Settings]
[Logout]

Hero Section
[Find your next meal]
Discover recipes that fit your taste, time, budget

[Stats: 10+ filters] [< 30 min] [$5 avg]

[Featured Recipe Card]

Search Filters

Recipe keywords	Ingredients on hand
Diet	Avoid ingredients
Max time	Min cal	Max cal
Min price	Max price	# Results

[Search Recipes] [Reset Filters]

Search Results
[Generate Grocery List (X selected)]

Recipe 1 [Image] Title [Badges] Summary Nutrition [□ Add] [★ Fav] [View]	Recipe 2 [Image] Title [Badges] Summary Nutrition [□ Add] [★ Fav] [View]	Recipe 3 [Image] Title [Badges] Summary Nutrition [□ Add] [★ Fav] [View]

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5. Favorites Page

Navigation Bar
[BudgetBites Logo] [Dashboard] [Discover] [Favorites] [Settings]
[Logout]

Hero Section
[Your personal cookbook]
Favorite Recipes
Save go-to meals and build grocery lists

[Quick Actions Card]

Favorites List
[Generate Grocery List (X selected)]

Recipe 1 [Image] Title [Badges] [□ Add] [Remove] [View]	Recipe 2 [Image] Title [Badges] [□ Add] [Remove] [View]	Recipe 3 [Image] Title [Badges] [□ Add] [Remove] [View]

(If no favorites: Empty state message)

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6. Grocery List Page

Navigation Bar
[BudgetBites Logo] [Dashboard] [Discover] [Favorites] [Settings]
[Logout]

[← Back to Discover]

Selected Recipes Summary

Recipe 1 [Thumbnail] Title [Time] [Serv] Cost: $X.XX	Recipe 2 [Thumbnail] Title [Time] [Serv] Cost: $X.XX

Grocery List

Total Estimated Cost: $XX.XX

Ingredients:
□ Ingredient 1 – Quantity
□ Ingredient 2 – Quantity
□ Ingredient 3 – Quantity
...

[Clear List] [Print List] [Export]

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7. Recipe Detail Page

Navigation Bar
[BudgetBites Logo] [Dashboard] [Discover] [Favorites] [Settings]
[Logout]

[← Back to Discover/Favorites]

Recipe Header

[Recipe Image] | Recipe Title
[Badges: Time, Servings, Price]

[★ Add to Favorites] [View Full Recipe]

Recipe Information

Summary:
[Recipe description text...]

Nutrition Information:
• Calories: XXX kcal
• Protein: XX g
• Carbs: XX g
• Fat: XX g

Ingredients:
• Ingredient 1 – Amount
• Ingredient 2 – Amount
• ...

Instructions:
1. Step one...
2. Step two...
...

[Add to Grocery List]

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8. Settings Page

Navigation Bar
[BudgetBites Logo] [Dashboard] [Discover] [Favorites] [Settings]
[Logout]

Hero Section
[Account management]
Settings & Preferences
Customize your account and meal planning

[Quick Access Card]

Account Settings
Username: [Current username]
Email: [Current email]

Change Password:
Current Password
New Password
Confirm Password

[Update Password]

Meal Planning Preferences

Sort By: [Dropdown: relevance, price, time, calories]
Sort Order: [Dropdown: asc, desc]

Priority Factors:
Price: [Slider: 0-10]
Time: [Slider: 0-10]
Calories: [Slider: 0-10]
Health: [Slider: 0-10]

[Save Preferences]

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9. Logout Page

Navigation Bar
[BudgetBites Logo]   [Home] [About] [Help]

Logout Confirmation

You have been successfully logged out.

[Return to Home]
[Login Again]

Thank you for using BudgetBites!