

Project Title: CookBook – Your Virtual Kitchen Assistant

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Project Overview

Purpose:

The CookBook project is designed to act as a virtual kitchen assistant that helps users explore, manage, and organize recipes. It demonstrates the setup and execution of a Node.js-based web application, giving students practical exposure to real-time project development.

Features:

Recipe management and organization.

Simple interface for exploring cooking instructions.

Demonstrates npm-based dependency management.

Architecture

Component Structure:

This project is a Node.js application running with npm.

Core project files handle the application logic.

Dependencies are managed in the package.json.

The application launches in the browser at <http://localhost:3000>.

State Management:

State handling is basic and internal to the application.

Routing:

The application runs on a single local route (/ on port 3000).

Setup Instructions

Prerequisites:

Install Node.js (LTS version) from <https://nodejs.org/en/download/>.

Install Visual Studio Code (VS Code).

SmartInternz account to access project code.

Installation Steps:

1. Download and install Node.js for your system (Windows .msi or macOS .pkg).
2. Open PowerShell (Admin) → run:

`set-executionPolicy unrestricted`

Type Y and press Enter.
3. From SmartInternz → Projects → Access Resources → Guided Projects → Go to Workspace.
4. Download the project code from the code drive link.
5. Extract the downloaded .zip folder.
6. Open VS Code → Open Folder → select extracted project folder.

7. In VS Code terminal, run:

```
npm install
```

Folder Structure

Root Folder:

Contains main project files and package.json for dependency management.

Utilities:

Node.js modules downloaded through npm are stored in the node_modules folder.

Running the Application

To start the project:

```
npm start
```

Then open the application in a browser:

```
http://localhost:3000
```
