This project is a multi-functional web application built with Next.js and React, featuring three core tools: a List Manager, Weather App, and Calculator. The application meets all Phase 2 requirements for routing, component structure, styling, and state management. Project Structure Routing and Navigation Home Page (/): Landing page with team information List Manager (/list-manager): Task management system Weather App (/weather): Weather forecast tool Calculator (/calculator): Basic arithmetic calculator Routing is implemented using Next.js's file-based routing system with a shared Layout component for consistent navigation. Components Shared Components Layout.js: Wrapper component for all pages featuring: Consistent header with navigation Main content area Footer with project information Feature Components List Manager ListManager.js: Core component with task CRUD operations Features: Add tasks with due dates Toggle task completion Delete tasks Local state management Weather App Weather.js: Weather data display component Features: City search functionality Current weather display Loading and error states API integration setup Calculator Calculator.js: Arithmetic operations component Features: Basic math operations Calculation history Responsive button grid Active button states Home Page

HomePage.js: Team information display

Features:

Team member profiles

Contribution lists

Avatar images with fallbacks

Styling

CSS Modules used throughout for scoped styling

Responsive design implemented for all components

Consistent color schemes and interactive states

Themed calculator with dark mode styling

State Management

React useState hook used for all component states:

List Manager: Task list and form inputs

Weather App: Search input, loading, error, and weather data states

Calculator: Display value and calculation history