Cahier des Charges for "Pre-flight Checklist" Project

Introduction

Project Name: Pre-flight Checklist

Client: GoodStufForDev (GSFD)

Developer: Ariane AKAKPO

Date: 28 May 2024

Project Overview

GoodStufForDev, a startup founded by former Java technical director Karim, aims to enhance developer productivity by minimizing costly oversights through structured checklists. The Pre-flight Checklist application will enable developers to share and manage checklists to ensure all necessary pre-requisites are met for various tasks such as SEO, web deployment, and accessibility compliance.

Objectives

Develop a user-friendly web application using React.

Ensure the application is responsive (works on mobile, tablet, and desktop devices).

Implement all functionalities specified in the functional requirements.

Integrate seamlessly with the provided API.

Deliver a high-quality, maintainable codebase with proper documentation and testing.

Functional Requirements

User Management:

The application will not support new user registrations initially.

Checklist Management:

Users can create, modify, and delete checklists.

Each checklist will have:

A title

A description

An ordered list of tasks

A status (0: new, 1: in progress, 2: completed)

Each task within a checklist will have:

A title

An optional description

A status (0: not done, 1: done)

Screens and Navigation:

Dashboard:

Displays all created checklists.

Provides options to create, edit, and delete checklists.

Checklist Screen:

Displays a single checklist with tasks.

Allows users to toggle task status and update the checklist status.

Form Screen:

Allows users to input or edit checklist details and tasks.

Technical Specifications

Technology Stack:

Front-end Framework: React

API Communication: Axios or Fetch

Styling: Open to use any CSS library

API Integration:

Base API URL: https://greenvelvet.alwaysdata.net/pfc/

Authentication: Token-based (token provided via headers in requests)

Graphical Guidelines:

Typography: Roboto

Color Palette: 26547C, EF476F, FFD166.

Constraints and Assumptions

You will be the sole developer on this project.

The application must be in English.

Adherence to the provided API documentation for data handling.

Deliverables

Design Documents:

Interface design mockups

Development Deliverables:

Source code in a well-documented format

Functional and responsive web application

Testing Documentation:

User testing reports

Test cases and results

Deployment: Not deployed

A functional prototype deployed online

Final Submission:

A zip archive named ariane\_akakpo.zip containing all project files except node\_modules.