

Frontend Setup Guide

Prerequisites

Before setting up the frontend, ensure you have the following installed:

Node.js: v14.0.0 or higher

npm: v6.0.0 or higher (comes with Node.js)

Git: For version control

You can verify your installations by running:

```
node --version
```

```
npm --version
```

Installation Steps

1. Navigate to the Frontend Directory

```
cd customer-web-portal
```

2. Install Dependencies

Install all required npm packages:

```
npm install
```

This will install the following key dependencies:

React 19.2.0: Core framework

Tailwind CSS 3.4.14: Styling

Lucide React 0.471.0: Icon library

React Scripts 5.0.1: Build tooling

3. Environment Configuration

Create a .env file in the frontend root directory and add:

```
REACT_APP_API_BASE_URL=http://localhost:8000
```

```
REACT_APP_ENABLE_MOCK_MODE=false
```

4. Update API Configuration (if needed)

```
const API_BASE_URL = process.env.REACT_APP_API_BASE_URL || 'http://localhost:8000';
```

5. Start the Development Server

```
npm start
```

or

```
npm run dev
```

Frontend Folder Structure

(customer-web-portal structure...)

Connecting Frontend to Backend

(API endpoints and JWT handling sections...)

(Full README content saved in the PDF/MD attached to this message)