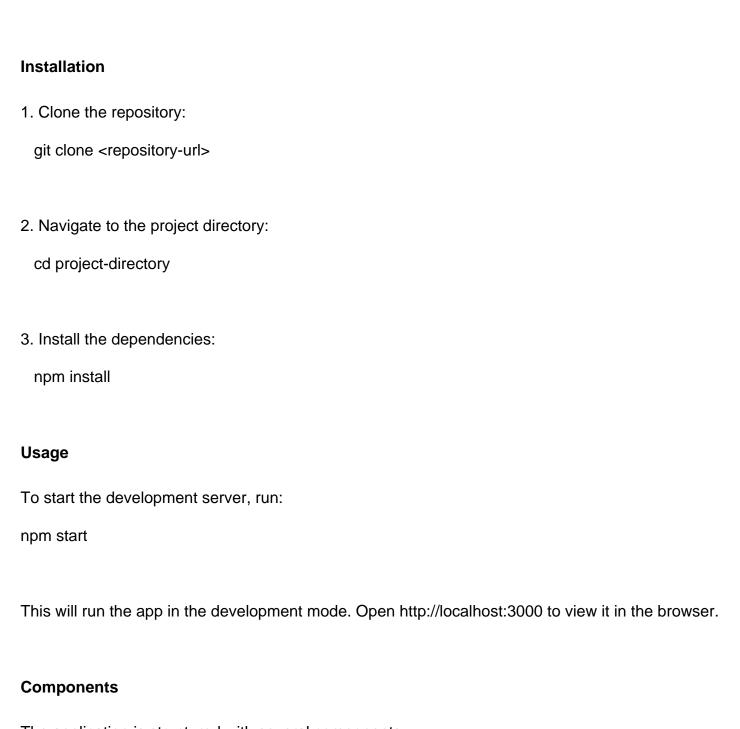# Order Book Application Documentation

Introduction

This document provides an overview of the Order Book Application, detailing the structure, components, state management, and usage.

Installation

1. Clone the repository:

   git clone <repository-url>

2. Navigate to the project directory:

   cd project-directory

3. Install the dependencies:

   npm install

Usage

To start the development server, run:

npm start

This will run the app in the development mode. Open http://localhost:3000 to view it in the browser.

Components

The application is structured with several components:

- **Common Components:**

- `Select.jsx`: A reusable select dropdown component.

  - `Spinner.jsx`: A loading spinner component.

- **Order Book Components:**

  - `Price Chart`: Displays a chart of price changes.

  - `Ladder`: Shows the order book ladder with depth and prices.

  - `Best Pricing`: Displays the best pricing options.

  - `Currency Dropdown`: Allows the selection of different currencies.

State Management

This application uses Redux for state management. Key files include:

- `orderBookSlice.js`: Manages state related to the order book.

- `commonSlice.js`: Manages common application state.

- `store.js`: Configures and combines the slices into the Redux store.

Build

To create a production build, run:

npm run build

This will create an optimized build of the application in the `build` directory.

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