React JS Assignment-

Mobile Store

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**Tools/Packages Used:**

* Application is created in React version 16.13.1
* Bootstrap 4 for styling
* FontAwesome for icons
* Jest, Enzyme for testing applications
* React pagination package for adding pagination
* React redux for state management
* Redux thunk for applying middlewares
* Redux persist to persist redux store values on page refresh
* React router package for routing
* Axios to make http calls
* Npm json-server package for creating a fake server
* Redux logger and dev-tools-extension for logging
* Context-API for passing data to child components

**Components:**

1. **App –** It is the root level component of the react application.
2. **Home -** It is responsible for displaying all the available mobiles to the customer. It is the home page of the application. User can search the products and sort the products by price from this component.
3. **MobileItem -** It is responsible for displaying mobile name, image, price along with view details option and add to cart option from the home page.
4. **MobileDetails –** It is responsible for displaying mobile details to the user. When the user clicks on mobile name or the mobile image, the user is redirected to this component where all the details regarding the mobile device is visible. From here, user can add the specific mobile to their cart as well.
5. **Footer –** It is responsible for showing footer details of the application.
6. **Login –** It is responsible for displaying login form to the user.
7. **Cart –** It is responsible for showing cart details to a logged in user.
8. **PageNotFound –** It is responsible for handling url requests which are invalid.

**User Credentials:**

1. **Username:** user1

**Password:** user1

1. **Username:** user2

**Password:** user2

**Urls:**

* Application will run on <http://localhost:3001/>
* JSON-Server will run on <http://localhost:3000/mobiles>

**Commands:**

* **To run json-server:** json-server –watch db.json
* **To run react application:** npm start
* **To run tests:** npm test