



## ASSIGNMENT

# Associate Full-stack Developer

You are required to build **only** the vendor portal of a **mini eCommerce web app** using the MERN stack according to the figma design for the given specifications.

### Vendor Portal must include,

- Pages
  - Main page (Includes search bar + all products in a list)
  - Product detail page
  - Add product page
  - Edit product page
  - Favorite products page
  - Search results page
- Popups
  - Delete popup

### Products data points required

- SKU
- Quantity
- Product name
- Images
- Product description

### The following features must be developed,

- A vendor must be able to add, edit or delete products
- The option to browse existing products must be available
- For a single product, uploading multiple images must be developed by using multer
  - Uploaded Images should be displayed
  - User should be able to choose the main image to feature as the thumbnail
- Search bar functionality
  - Should show search suggestions based on user input
    - Do research on what is the best way to do implement this (from frontend or backend) and develop the functionality
  - Should redirect to a different search result page
- Favorites section
  - A vendor should be able to select an option(star/checkbox/radio/button) to feature products as favorites
    - Use local storage to save the array of objects
    - An array of IDs should be saved on the database referring to a specific data(one to many relational schema)

## Other requirements to consider

- All API calls should be secured
  - Research what security features should be added and how to implement them
- Usage of Redux is a must
- An organized file structure
- You can use CSS, Bootstrap, Material UI or any other CSS framework for styling
- All React components should be functional components.
- You can use Axios or any other dependency, in-built methods for API requests.
- Tech stack should be React.js, Node.js, Express and MongoDB (MERN stack).
- MongoDB Atlas should be used for cloud data storage  
Link: <https://www.mongodb.com/cloud/atlas>

## Note

- Time limit: **2 days**
- You have to build the project inside 2 folders called **Frontend** and **Backend**
- UI Design - [Figma File](#)
- Assets - [Google Drive](#)

## Marking Scheme:

Below factors will be taken into account when marking the assessment:

- Code readability (structure, comments, variable naming, etc.)
- Implementation
- Styling (If you have followed the latest styling trends)
- User Experience

## Submission:

Create 2 Repositories for frontend and backend files and send GitHub Links separately to [careers@code94labs.com](mailto:careers@code94labs.com)

