

## **Software Co**

### **Practical Task**

**Designation** – Full Stack Developer

**Duration** – 12hours

### **Task :**

## ECOMMERCE FULL STACK ONLINE ASSESMENT

### **Signup and Signin Module**

- create registration and login functionality with basic customer details.
- use any authentication method to achieve this.
- create a basic login page with registration tab using a template or simple but decent design, separate routes for each are not required.

### **Authorization Module**

- this module is used to check whether or not a particular user has access to a particular module. Like “userA” can see list of products but “userB” can’t.
- for this you can create permission array (only contains unique permissions)
- implement add and remove permission for particular user
- permit user to access particular api/module which has access to it.
- create a page accessible only for an admin user to access all the users and give switches / checkbox against the user to enable / disable permission.

### **Product Module**

- create CRUD for this module.
- assume basic fields you can refer to any e-commerce site like amazon.
- implement list product and also try to optimize it on both side frontend and backend.
- don’t forget to add validations
- create a simple product listing page with similar cards such as flipkart, exact design is not required.
- create a simple product description page with add to cart button, quantity counter, and keep that page authenticated, use redux to add the product to cart.

## Cart Module

- implement add to cart
- implement list cart
- implement remove and clear cart
- create a cart page and keep that page authenticated, if products are added using the description page the cart page should have the state saved upon refresh.

- \* consider this as a real project.
- \* ask for doubts before starting the test , after starting you can't be able to ask any questions.
- \* don't install any packages which are not required
- \* don't use any boilerplate.
- \* for every list apis that you build, they should have filters added with search query params.
- \* after finishing the test save the api request in postman collection and code on github repo with some basic explanation. If possible make a demo video which covers all solutions.

Feel free to ask question befor starting the test.