

## Emerging Technology Lab

### Assignment 10

#### Authentication, Custom Middleware, Context API

1. Add authentication features to the project created in Assignment-9. Add *jsonwebtoken* to the backend and perform the following operations.
  - a. Add a route for login, which will generate the JWT token.
  - b. Add a middleware to verify the JWT token.
  - c. Protect all the Create (except user registration), Update, and Delete routes using the middleware.
2. In the React frontend perform the following operations.
  - a. Add Context API to share global data like user's name and auth token.
  - b. Add pages/components for – user registration, login, add a listing, update listing, update listing image, and delete a listing.
  - c. Customize the navbar based on logged-in status of the user.