

3-Tier Ticketing Web Application

- The application should allow users to log in and create tickets.
- All users should be able to view all logged tickets.
- The list (data table) should show 10 tickets and allow the user to page through tickets if the number exceeds 10.
- Users should be able to filter through the tickets based on specific criteria.
- The user should be able to create a ticket on the popup modal form.

Suggested field:

- ticket_no
- ticket_desc
- created_at
- updated_at
- deleted_at

Tier 1: UI (React App/Angular App)

When creating the app, clearly demonstrate the use of the following:

- Make use of React Routes
- ES6 Syntax
- Use React hook (useState, useEffect)
- Make use of React props
- Any use of CSS should be kept in its own file
- Make use of environment(.env) variables
- Clearly demonstrate the use of reducers in the application
- The Application should get its data via API call to API App
- All API calls should be tokenized (Make use of JWT)

Tier 2: API (Nodejs App)

When creating the app, clearly demonstrate the use of the following:

- All endpoint should validate the token
- Make use of Get and Post action

Tier 3: Database (Any Database of your choice) you can use Sequelize ORM or Other Famous Module.

- Database should not contain SP or Views
- Tables should conform to NF3