Mi-12 Assignment Requirement
assignment12_category_0007

🚩 **: 0 [If we have any update we will mention it here]. Check frequently to see if any updates have been made.**

Objective

Imagine a company called XYZ is creating a web application to help businesses manage their assets and products. Any company can use this web app by purchasing a subscription. The main goal of this software is to make it easy for HR Managers to track how employees are using company assets. These assets can be divided into two types: Returnable (like laptops, keyboards, mouse, chairs, desks, cell phones) and Non-returnable (like pens, pencils, paper, diaries, tissue paper).

XYZ is currently seeking a skilled MERN stack developer to create their web application, **Asset Management System.**

Key Rules:

- Include a minimum of 20 notable GitHub commits on the client side
- Include a minimum of 12 notable GitHub commits on the server side
- Add a meaningful readme.md file with the name of your website, Admin username, password, and live site URL. Include a minimum of 10 bullet points to feature your website.
- Make it responsive for all devices. You need to make it responsive for mobile, tablet, and desktop views. Make the dashboard responsive as well **(if you have a dashboard)**

- After reloading the page of a private route, the user should not be redirected to the login page.
- Use the Environment variable to hide the Firebase config keys and Mongodb credentials.
- Don't use any Lorem ipsum text in your website.
- Show sweet alert/toast/notification for all the crud operations, successful authentication login, and sign-up. Don't use the default browser alert.
- Implement tanstack query in all the data fetching functionality (For GET method only)

Main Tasks

Navbar

Without Login
- Logo (Should be the Service Provider Company Logo, suppose XYZ company)
- Home
- Join as Employee
- Join as HR Manager
- Login

For Normal Employee
- Logo (Should be the Company Logo the employee is working for)
- Home
- My Assets
- My Team
- Request for an Asset
- Profile
- Logged in User name and Profile Picture
- Logout Button

HR Manager

- Logo (Should be the Company Logo of his/her)
- Home
- Asset List
- Add an Asset
- All Requests
- My Employee List
- Add an Employee
- Profile
- Logged in User name and Profile Picture
- Logout Button

Note: The company information is provided by the user during the registration process.

Page: Join as an Employee

Form Section

This Section will have a Form to register a new employee. The form will have the following information:

- Full Name
- Email
- Password
- Date of birth
- Signup Button

Social Login Section

This Section will have at least one social login such as Google, Facebook, Github, etc.

Form Section

This Section will have a Form to register a new employee. The form will have the following information:

- Full Name
- Company Name
- Company Logo
- Email
- Password
- Date of Birth
- Select a package (there will be three packages, details below)
- Signup Button

⚠ Note: After successfully signing up, the user will be redirected to the payment page. Or you can directly accept the payment and register the account from the same page.

Package Details :

1. 5 Members for $5
2. 10 Members for $8
3. 20 Members for $15

Login Page

This page will have a form section to login with email & password and a social login section. (at least one social login system)

Page: Home

Without Login, the home page will have the following sections:

- Banner Section
- About section
- Packages Section

Banner Section

This section will have a slider of two images.

- One Slider will have a button for Join as HR Manager
- Another Slider will have a button for Join as an Employee

Both buttons will be functional, by clicking on this button the user will be redirected to the relevant page.

About Section

This section will have some information about this website.

Packages Section

This section will have three cards of Packages.
- Maximum 5 employees $5
- Maximum 10 employees $8
- Maximum 20 employees $15

Note: The About and Packages Section is static. It will provide some information about the website.

After login with a Normal Employee account, the home page will have the following sections:

- My pending requests
- My monthly requests (Show all requests made by the user in this month, show them in sorted order: recent one will be first)
- One or two extra sections (Calendar, Events, Notice, etc.)

⚠ Note: If the user is not affiliated with any company, show a relevant message. (Contact with your HR)

After login with a HR Manager account, the home page will have the following sections:

- Pending requests (max: 5 items)
- Top most requested items (max: 4 items)

- Limited Stock items (Quantity less than 10)
- Make a pie chart for the total percentage of returnable items and non-returnable items requested by the employee.
- Add 2 relevant extra section

Access to the HR Manager account requires payment; otherwise, you will be directed to the [payment page](#).

For Normal Employee (after Login)

My Requested Assets Page (For Employee)

Search Section

On top of this page, there will be a search bar to search items by its names.

Filter Section

On top of this page, there will be a filter section. Users can filter items by request status (pending/approved) and asset type (returnable/non-returnable)

⚠ Note:

Search and filter should be implemented on the server side.

Asset List Section

There will be a list of the items requested by the logged-in user. Every item should have the following information:

- Asset Name
- Asset Type
- Request Date
- Approval Date
- Request Status
- Action (Explanation is Bellow)

🚩Notes:

➢ If the request status is *Pending*, the action section will have a button to cancel the request and the Approval Date will be empty

➢ If the request status is *Approved,* there will be a print button to print the details information of this asset. The print page should have the company information on top of the page and the printing date at the bottom of the page. Recommended Package - React-PDF

➢ If the request status is *Approved* and the asset type is ***Returnable***, the action section will have a return button. clicking on the return button, the status will be returned and the return button will be disabled. Also, the quantity of this asset will be increased by one.

Request for an Asset page (For Employee)

Search Section
On top of this page, there will be a search bar to search items by its names.

Filter Section
On top of this page, there will be a filter section. Users can filter items by availability (available/out-of-stock) and asset type (returnable/non-returnable)

⚠ Note:
Search and filter should be implemented on the server side.

Assets List Section
On this page, there will be a list of all assets. Every item will have the following information:
- Asset Name
- Asset Type (Returnable / Non-returnable)
- Availability (Available / Out of stock)
- Request Button

On clicking the request button a modal will open.

⚠ Note:
If the Availability is Out of stock, the request button will be disabled.

Modal Section
The modal will have a text input field for additional notes and a request button.

🚩Note:
-> You should store the current date as a Request date. (Don't show it in the modal section)
-> You should store the logged-in user's information for the HR Manager. (Don't show it in the modal section)

My Team Page

On this page, there will be a list of all the members of this team. Each item should have the following information:
- Image of the member
- Name of the member
- Member Type, you can use an icon (admin / normal employee) (Optional)

For HR Manager (after Login)

Asset List Page (Only for HR Manager)

Search Section

On top of this page, there will be a search bar to search items by it's names.

Filter Section

On top of this page, there will be a filter section. Users can filter items by stock status (available/out-of-stock) and asset type (returnable/non-returnable)

Sorting Section

On top of this page, there will be a sorting section. Users can sort items by quantity.

List Section

On this page, there will be a list of all products. Each item will have the following information:
- Product Name
- Product Type
- Product Quantity
- Date Added
- Update Button
- Delete Button

Add an Asset Page (Only for HR Manager)

Form Section

This section will have a form to add a new Asset. The form will contain the following information:

- Product Name
- Product Type
- Product Quantity
- Add Button

All Requests Page (Only for HR Manager)

Search Section

On top of this page, there will be a search bar to search requests by requester name or email name.

Request List Section

On this page, there will be a list of all requests. Each item will have the following information:

- Asset Name
- Asset Type
- Email of requester
- Name of requester
- Request Date
- Additional note
- Status
- Approve Button
- Reject Button

My Employee List Page (Only for HR Manager)

This section will have a list of all the members of this team. Each item should have the following information:

- Image of the member
- Name of the member
- Member Type, you can use an icon (admin / normal employee) (Optional)
- Remove From Team Button

Note: Clicking on this button, the employee will be removed from the team, and the team member count will be decreased by one.

Add an Employee Page (Only for HR Manager)

Package Section

This section will have all the employee counts and the package limit. Also, there will be a button to increase the limit. On clicking this button, the user will be redirected to a page. The page will show 3 packages.

- 5 members for $5
- 10 members for $8
- 20 members for $15

After successfully buying, the member limit will be increased accordingly.

This section will have a **list of all the users who are not affiliated with any company**. Each item should have the following information:

- Checkbox to select member (This is a **challenge requirement**, explained below)
- Image of the member
- Name of the member
- Add to the team

Note: Clicking on this button, the employee will be added to the team, and the team member count will be increased by one.

There will be a button '***Add Selected Members to the Team***'. Clicking on this button, all the selected members will be added to the team. (You should call a single API from the client side)

Payment Page

This will be the Payment page where the HR Manager user has to pay N dollars (according to his selected package) to increase the member limit.

Profile Page

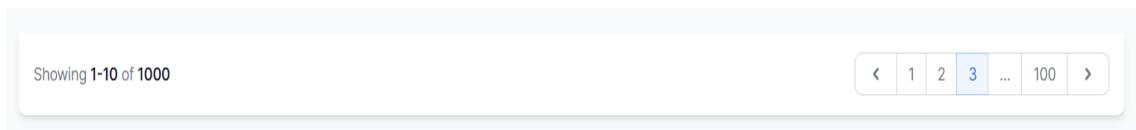(for Both HR Manager and Normal Employee)

This page will have the following information about the logged-in user. The user can update his/her information from here.

- Full Name
- Email (Not Editable/Readonly)
- Update button

Challenge Tasks

***Implement tanstack query in all the data fetching functionality (For GET method only) ***

1. Implement JWT on login (Email/Password and social) and store the token in local storage. (Don't use cookies)
2. Explore and Use the react-helmet package.
3. Add multiple Members at once on the Add an Employee Page. (Mentioned above)

4. Implement pagination at the footer of all the tables you have implemented (show 10 users at a time). For example,

Some Rules

1. Do not copy anything from your previous assignment. Like cards, tables, navbar, forms, etc. If you violate the rules you will receive a considerable penalty. Be careful.
2. Remove these lines in your server-side code:
   await client.connect();
   await client.db("admin").command({ ping: 1 });

Optional Tasks

1. Use react select for handle select input. Link
2. Explore Material Ui
3. Explore Tanstack query Pagination
4. Implement Axios interceptor.
5. Data must be shown the first time reloading.

What to Submit

1. **Assignment Category/variant:**
2. **HR email:**
3. **HR password:**
4. **Front-end Live Site Link:**
5. **Client Side Github Repository Link:**
6. **Server Side Github Repository Link:**