

TalantaHR SYSTEM DOCUMENTATION

2023

(Version: 0.2.0)

TalantaHR SYSTEM OVERVIEW

Version 0.2.0

Introduction

Welcome to the TalantaHR System, version 0.2.0 – where modern technologies converge to streamline and enhance HR operations. This system is a react (Next.js-powered) web application, utilizing a robust stack of dependencies to ensure efficiency, maintainability, and a delightful user experience.

Key Dependencies

1. Runtime Dependencies

- @emotion/react (version 11.1.1): Library for styling react components with emotion.
- @emotion/styled(version 11.11.0): Emotion bindings for writing styled components with CSS
- @mui/icons-material(version 5.14.9): Material UI icons
- @mui/material(version 5.14.9): React components implimenting Google's material design.
- @reduxjs/toolkit(version 1.9.5): Toolkit for effective Redux development.
- @types/node(version 20.6.0): Typescript types for Node.js
- @types/react(version 18.2.21): TypeScript types for React
- @types/react-dom(version 18.2.7): Typescript for ReactDOM
- @typescript-eslint/scope-manager(version 6.7.0): Typescript ESLint scope manager
- cross-env: (version 7.0.3): Cross-platform setting for environment scripts
- formik(version 2.4.4): Form Library for react and react netive
- next(version 13.5.4): React framework for building server-rendered applications.
- react(version 18.2.0): React Library.
- react-dom(version 18.2.0): React DOM Library
- react-redux(version 8.1.2): Official react bindings for redux
- react-router-dom(version 6.16.0): Declaring routing for react.js
- react-toastify(version 9.1.3): Notification Library for react
- typescript(version 5.2.2): Typed superset for Javascript
- yup(version 1.2.0): Javascript schema builder for value parsing and validation.

2. Development Dependencies

- @typescript-eslint/eslint-plugin(version 6.7.0): Typescript ESLint plugin.
- eslint(version 8.49.0): Linting utility for javascript and JSX
- eslint-config-next(version 13.4.9): ESLint configuration for Next.js projects.
- eslint-config-prettier(version 9.0.0): Turns off ESLint rules that conflict with Prettier
- husky(version 8.0.0): Git hooks made easy
- prettier(version 3.0.3): Optimated code formatter

Getting Started

npm install
npm run dev

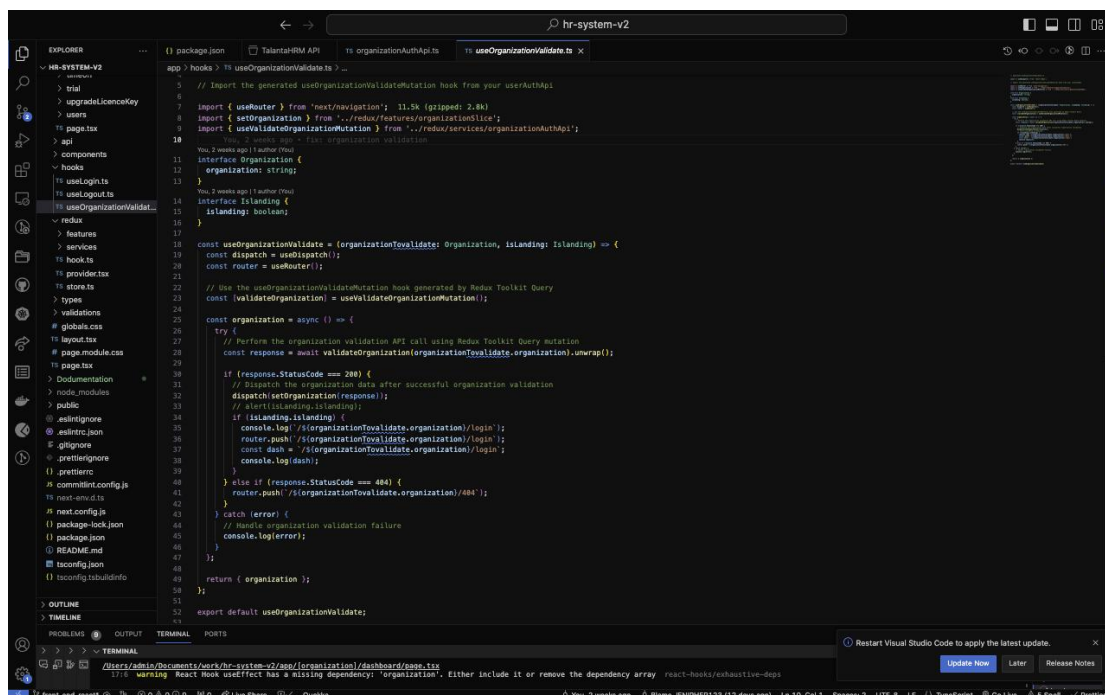
MODULE DOCUMENTATION

1. Organization Authentication

- API endpoint

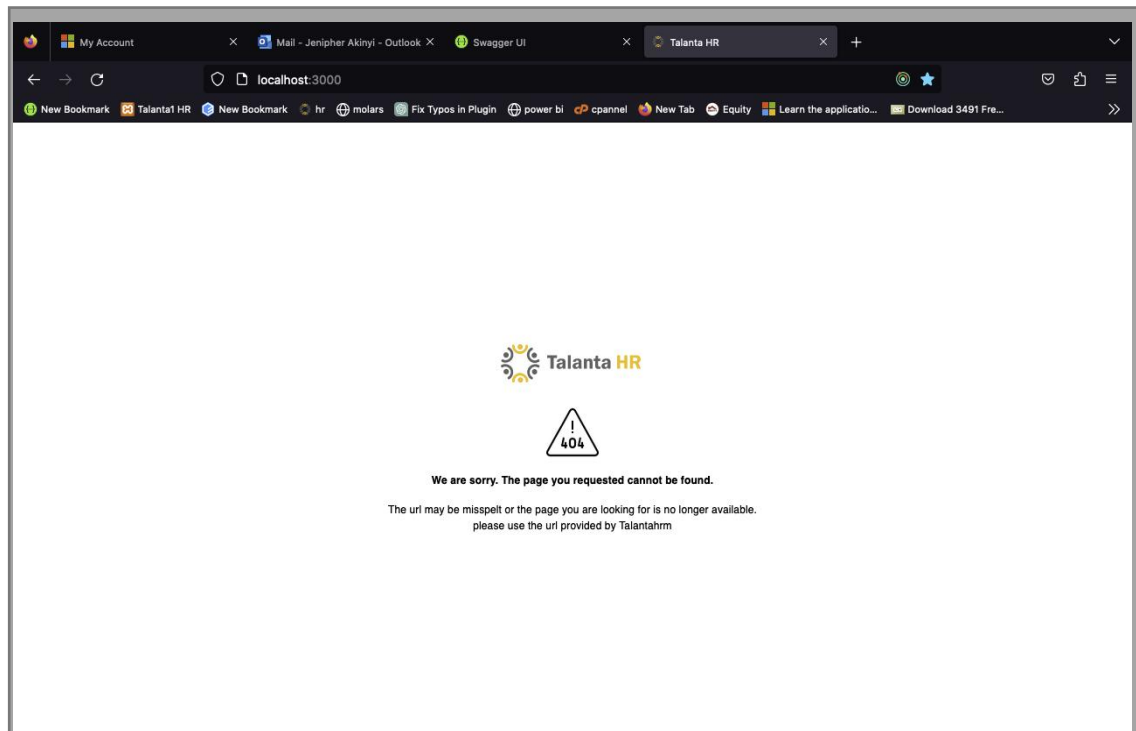
<https://api/talantahrm.com/organization/{organization}/v1/validate>

- Injection Points: everytime on focus. (on every page)- creates a hook for this and import to every page

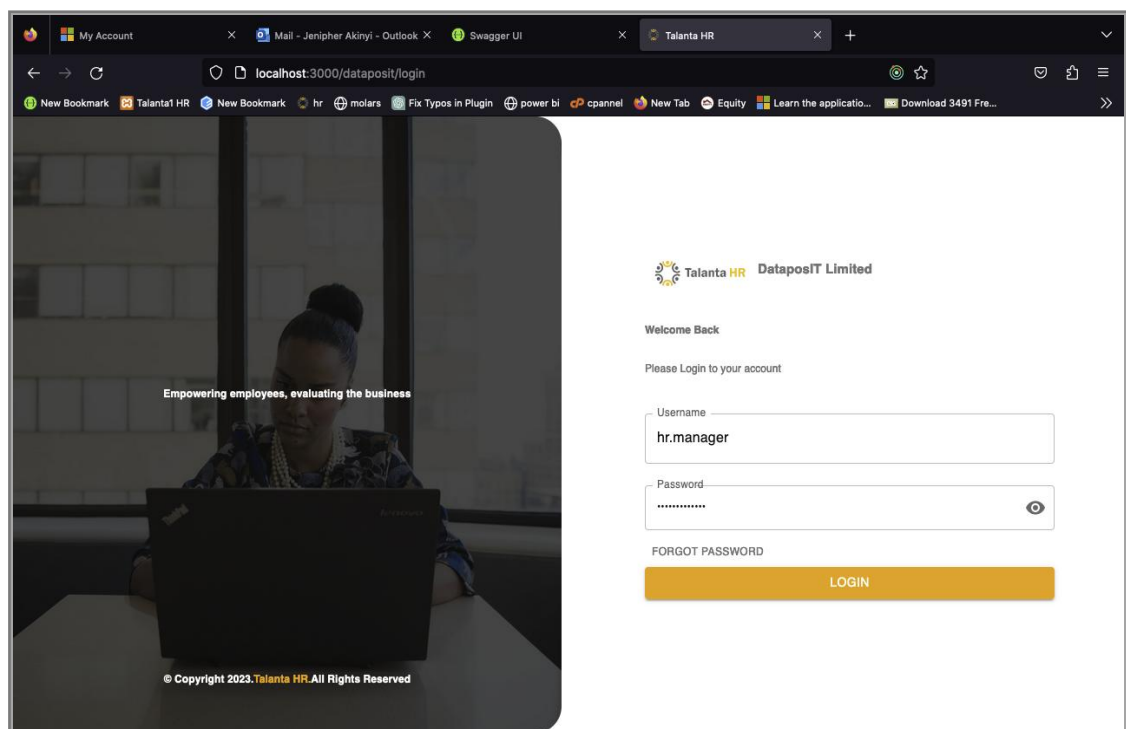


```
1 // Import the generated useOrganizationValidateMutation hook from your userAuthApi
2
3 // Import the generated useValidatedOrganizationMutation hook from your userAuthApi
4
5 // Import the useRouter hook from 'next/navigation'
6
7 import { useRouter } from 'next/navigation';
8
9 import { useOrganizationValidateMutation } from '../redux/services/organizationAuthApi';
10
11 You, 2 weeks ago | author (You)
12
13 // Use the useOrganizationValidateMutation hook generated by Redox Toolkit Query
14
15 You, 2 weeks ago | author (You)
16
17 interface Organization {
18   organization: string;
19   isLanding: boolean;
20 }
21
22 const useOrganizationValidate = (organizationToValidate: Organization, isLanding: boolean) => {
23   const dispatch = useDispatch();
24   const router = useRouter();
25
26   // Use the useOrganizationValidateMutation hook generated by Redox Toolkit Query
27   const (validateOrganization) = useValidatedOrganizationMutation();
28
29   const organization = async () => {
30     try {
31       // Perform the organization validation API call using Redox Toolkit Query Mutation
32       const response = await validateOrganization(organizationToValidate, organization).unwrap();
33
34       if (response.StatusCode === 200) {
35         // Dispatch the organization data after successful organization validation
36         dispatch(setOrganization(response));
37         // Alert isLanding, isLanding
38         if (isLanding, isLanding) {
39           console.log(`/organizationToValidate.organization/login`);
40           router.push(`/organizationToValidate.organization/login`);
41           const dash = `/organizationToValidate.organization/login`;
42           console.log(dash);
43         }
44       } else if (response.StatusCode === 404) {
45         router.push(`/organizationToValidate.organization/404`);
46       }
47     } catch (error) {
48       // Handle organization validation failure
49       console.log(error);
50     }
51   };
52
53   return (organization);
54 }
55
56 export default useOrganizationValidate;
```

- Wrong/ non-existent organization navigates you to the 404 page
- NB:** if you are logged in it logs you out and redirects you to the error page

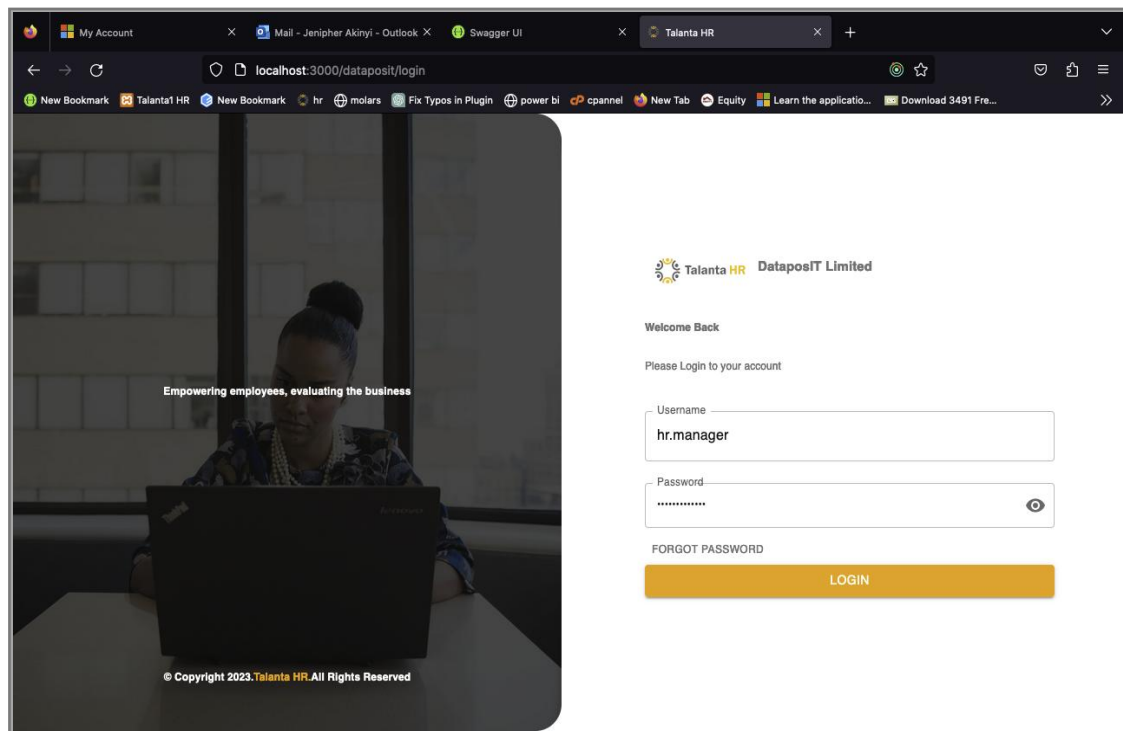


- Upon success navigate to login page if user isnt logged in



2. User Authentication

- Login UI

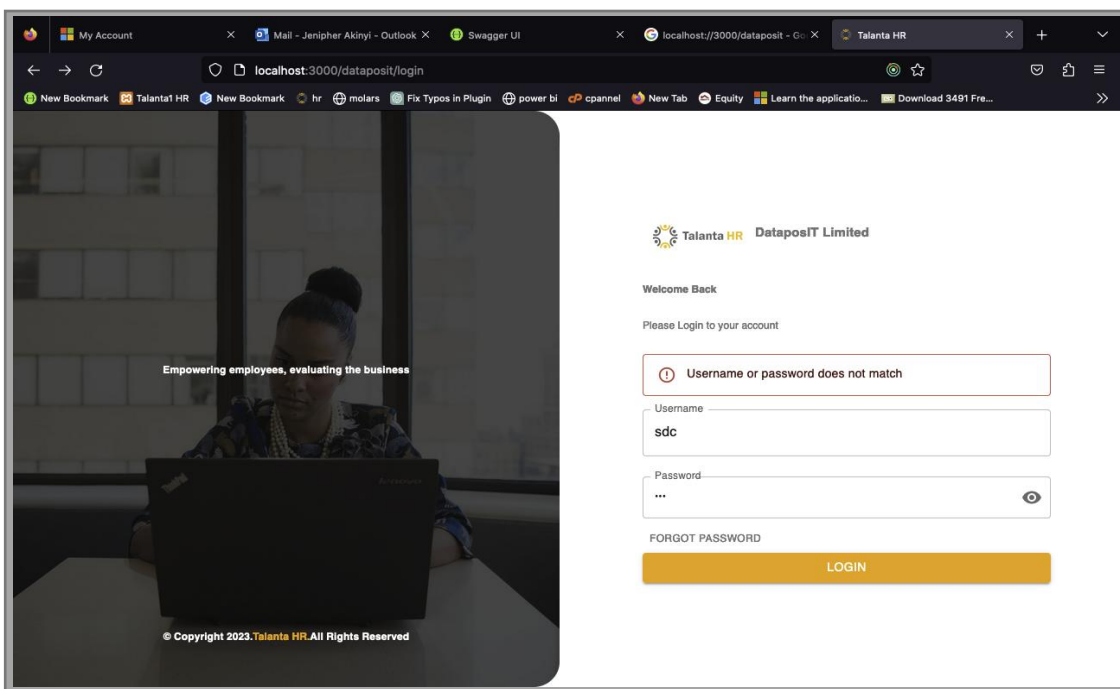


-Login API intergration

Endpoint:

<https://api/talantahrm.com/oauth/v1/generate>

error login in:



Success login in redirects to dash:

NB: DESIGN STILL IN PROGRESS....

