**Documentation for the project RISE**

Built a web-based data-driven tool with a survey feature for data collection from various entities including clients, associations, partners and vendors. Based on the collected information, display various reporting dashboards for its users to understand the financial spending of their organizations and compare it with the industry average and local census data. Thereby helping them to optimize and improve the hiring and purchasing process to be in line with the organization goals. Using angular and typescript in front end

Sign up functionality

1. Fill form fields to register the account
2. Common validation check in front-end
3. The server checks the data with data stored in DB
4. If the input data is matched with the one in DB, said user already registered redirect to login
5. If not, store data in DB and send verification mail to user
6. After verification is successfully done update the data and add as a valid user.

Sign in Module

1. Form field for username and password.
2. Common validation check in front-end
3. Email and password send through post method by endpoint 'api/auth/signin'.
4. Server authenticate {username,password}.
5. If authenticated a jwt string is passed to the user.
6. If not authenticated error message is displayed to the user
7. jwt response include {'token': token, user\_id: userData.\_id, details:userData }.
8. jwt response is stored in local storage.
9. Routing is done according to the data.(User RTole)

**Schemas** : jwt : Jason Web Tokens

**Documentation for the project Tackl**

Built a learning app for medical students which includes question bank, Quiz, Test series, Flashcards etc.Using react native in front end

Sign up and Sign in functionality

1. Form field for receiving email or phone number
2. Common validation check in front-end
3. Phone number or email and type of verification is send through post method by endpoint 'api/ send/sendotp'.
4. Server authenticate Phone number or email and token generated with {‘ userId ‘,’ sessionId ‘},which is then stored in local storage.
5. OTP send to email or phone number
6. OTP is verifying with endpoint 'api/ verify/verifyotp' .Token is generated which includes {‘ AccessToken ‘, ‘IdToken ‘,’ RefreshToken ‘} which stored in local storage.
7. After successful verification redirect to pages which saves the user information.
8. To check whether the user previously enter any data or not, passing the ‘IdToken’ to endpoint 'api/ onboard/OnboardingData' to get the data stored in DB.
9. If data present, it populate in the given fields.After editing and new entry data saved to the same end point with POST method and ‘IdToken’ as in header.