**Working of the Application**

Following are the requirements of the application and working of each requirement.

This app will show the Requirements:

1. As a user, he should see 3 menu items or tabs: Dashboard, Latest news, Precautions.

* The tabs are added in AppComponent using material nav bar.
* Login and Logout button are added in the header of the AppComponent and are visible or hidden accordingly.
* AppComponent contains router-oulet which loads dynamically. All the components are visible through this router-outlet.
* After opening the website the AppComponent loads the DashboardComponent by default, the routing is set to /dashboard.
* State wise and district wise data is fetched from web APIs.

2. The dashboard will show the details of the states of India with the total no. of cases

reported, active, recovered and deceased. A normal UI which shows these details on the

main dashboard screen. Dashboard should be the default screen for any user.

* The DashboardComponent shows the state wise data of the cases. The data is displayed using material cards.
* All the cards except the card which contains total details, contains a menu on the top right corner of the card.
* On clicking on the menu and clicking on More details the user is redirected to DistrictWiseComponent.

3. On clicking on any state name, the user should see all the districts information as well.

* The user can see district wise data after selecting more details from menu present in cards of DashboardComponent.

4. The latest news screen will have the details of the news posted by the admin.

* LatestNewsComponent displays the details of the news posted by admin.
* The latest news is fetched and set using Angular in-memory-web-api.

5. Precautions will have some general precautionary measures for the user regarding covid.

* PrecautionsComponent displays some precautionary measures to the users.

6. For an admin, we need to create an admin login screen. No need of database here. Make sure you use services for doing so. Optionally: You can use fake json server or can use in-memory-web-api provided by Angular.

* AdminLoginComponent is used to perform login operations.
* Validations are performed for login form.
* Login credentials to test the application –

username: admin

password: admin

7. As an admin, I should be able to login and logout of the application. Upon refresh, the user should not be logged out. Think in terms of session management in the browser.

* After login a token and some other values are added to local storage to maintain session and to handle the visibility of login and logout button.
* Username and password are compared to already kept data to perform login.

8. As an admin, he can add news to the application. The admin will see a screen where he can add news title, description, summary, full news, any images (optional) any more fields related to covid. Use reactive forms for adding the news details. Add necessary validations using forms

* Admin can add the news by going to LatestNewsComponent and clicking on Add News button.
* This button is only visible after admin login so normal user cannot add the news.
* Authguard have been added to the Add News navigation (/addnews) so that general user cannot go to add news section by mocking the url.
* Reactive form is used for adding the news to AddNewsComponent.
* Angular in-memory-web-api is used to add the news details and after each addition the added data is directly visible but for data persistence the data is stored in local storage so that even after refreshing the page and logging out the data is persistent.
* For providing image admin can give the image url through which it can be loaded.

9. Upon saving this news, the general user should be able to view the news.

* As data persistence is done so the data can be seen by general user after the data is being added by admin.
* When the real api will be completed or used then there will be no need for data persistence and the data will be available to user as soon as it is added. We only require to change the apiURL to do so. Rest everything is maintained in the code.

10. No login is required for general users.

* No login is required for general user, login is required only for adding the news and access its form.

Other useful details:

* Login service is used to perform login operations and sharing data for maintaining session
* Api service is used to get and set data thorugh api – web or in-memory.
* NewsInMemoryData Service is used to create endpoint for News.

Username: \_\_\_\_\_\_\_\_

Password: \_\_\_\_\_\_\_\_\_

More Details

More Details



UP

Raj

Total

Add News

Page Not Found Component

404 Page Not Found

Auth Guard

If logged in then continue else redirect to login

Add News Component

District Wise Component

Title: \_\_\_\_\_\_\_\_\_

Description: \_\_\_

Full News: \_\_\_\_\_

Image URL: \_\_\_\_\_

Admin Login Component

Login/Logout

Dashboard Component

Latest News Component

Precautions Component

AppComponent