

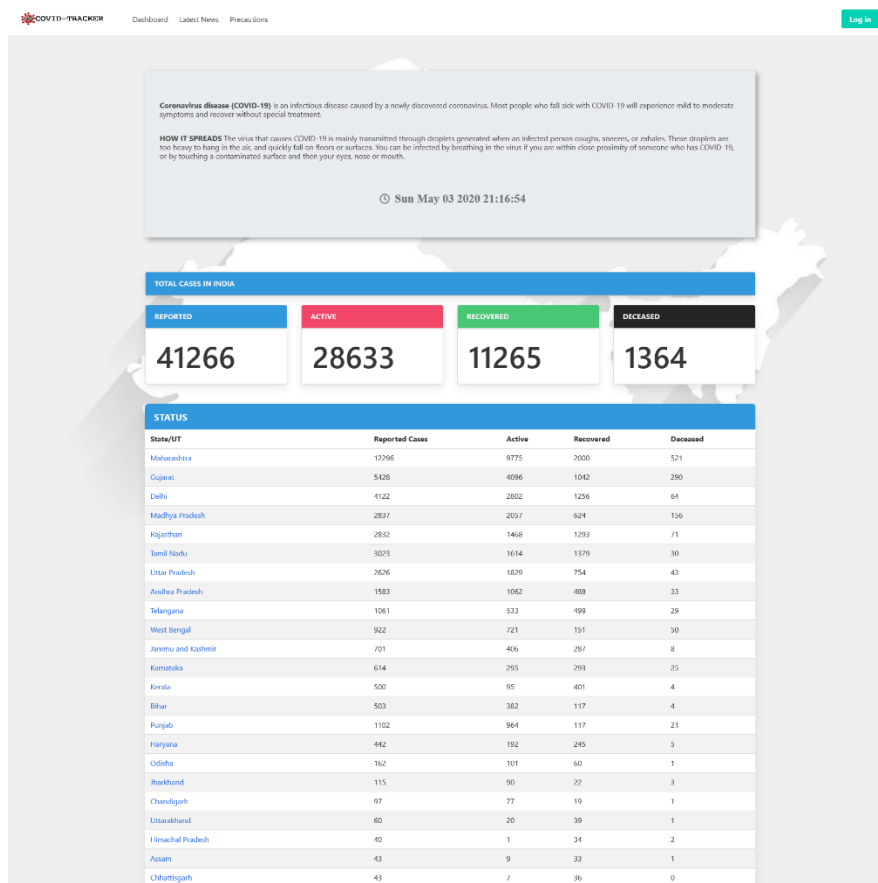
NAGP Assignment – Angular Assignment

The purpose of this assignment to build an Angular Covid19 tracking App.

I have created the Admin, News, Add New, Precautions and Dashboard Components. I have also created various services for getting the data from the API calls and in-memory web API fake data.

Requirements have been catered:

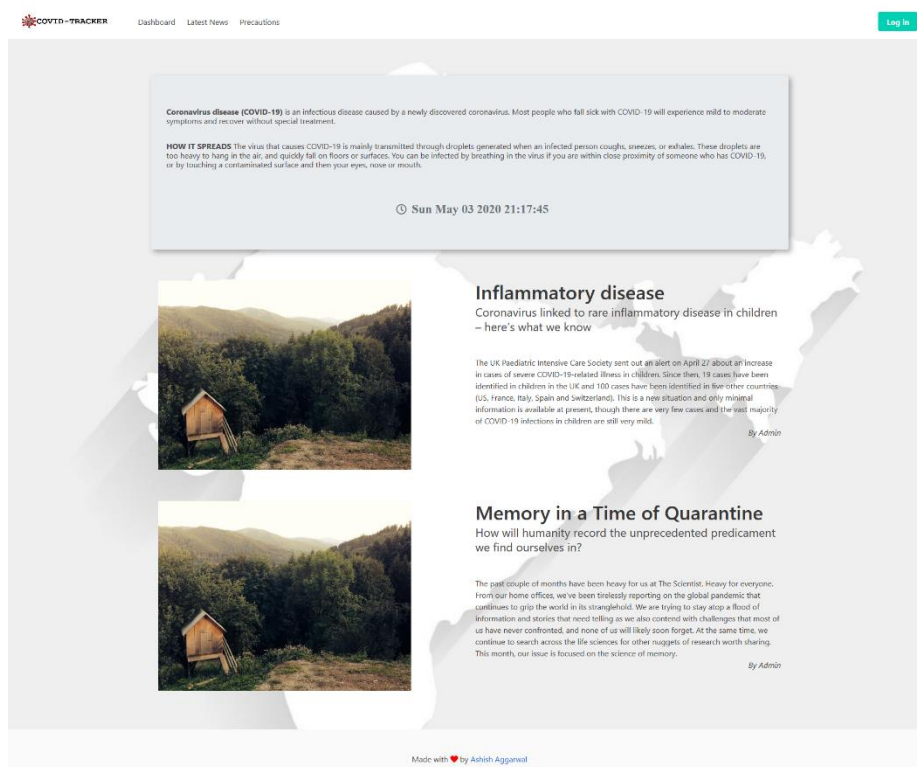
1. As a user, he should see 3 menu items or tabs: Dashboard, Latest news, Precautions.
Three Components have been used for catering the requirements
2. The **dashboard** will show the details of the states of India with the total no. of cases reported, active, recovered and deceased. A normal UI which shows these details on the main dashboard screen. Dashboard should be the default screen for any user.



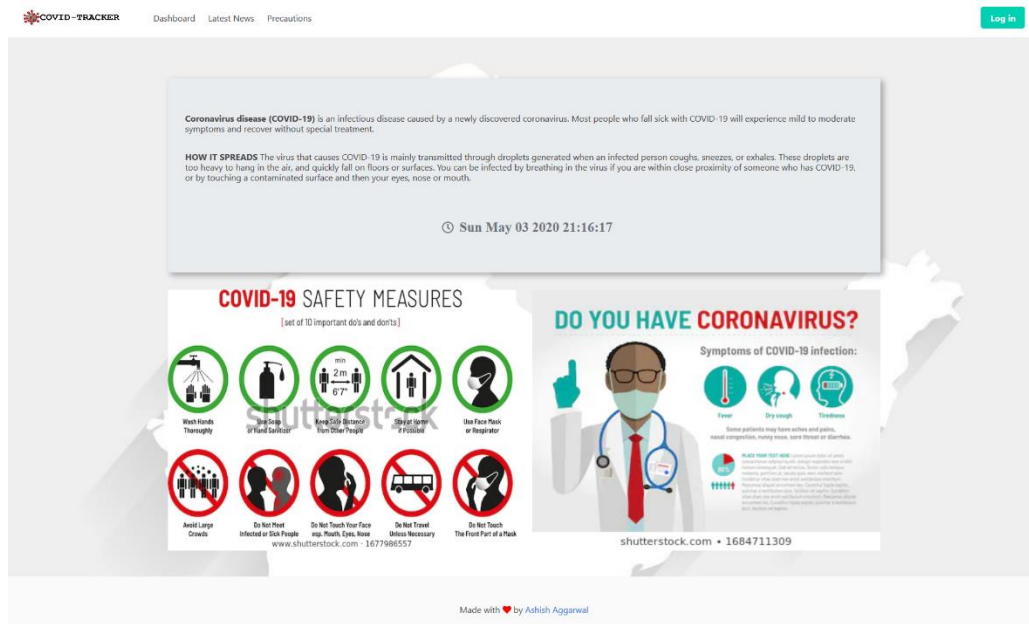
- On clicking on any state name, the user should see all the districts information as well.

District	Reported Cases	Active	Recovered	Deceased
Central Delhi	184	184	0	0
East Delhi	38	38	0	0
New Delhi	37	37	0	0
North Delhi	60	60	0	0
North East Delhi	25	25	0	0
North West Delhi	32	32	0	0
Shahdara	48	48	0	0
South Delhi	70	70	0	0
South East Delhi	130	130	0	0
South West Delhi	42	42	0	0
West Delhi	122	122	0	0
Unknown	3134	0	1256	64

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

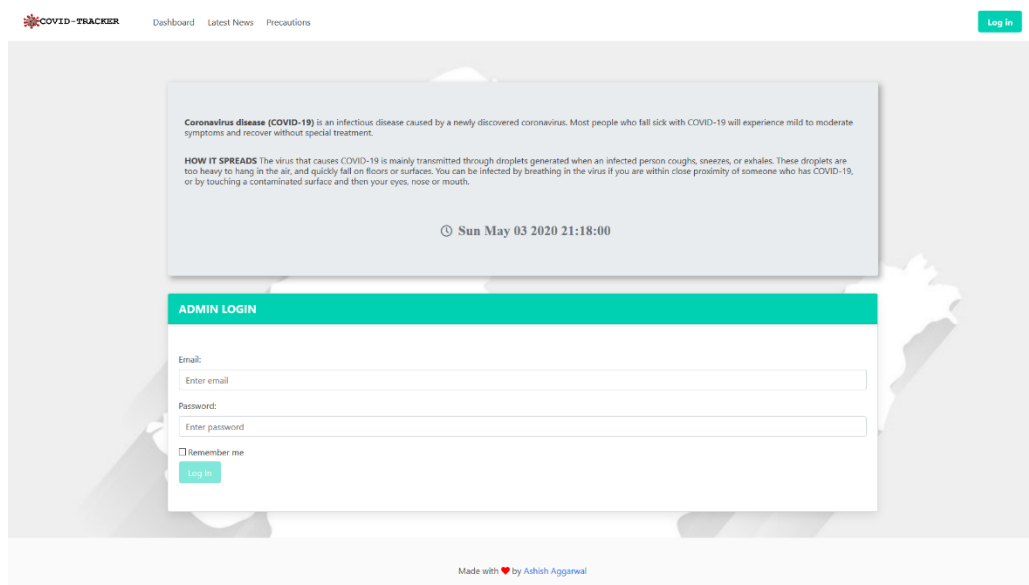


- Precautions will have some general precautionary measures for the user regarding covid.
I have used the Precautions images from the third party resources.



- 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.

I have used the in-memory-web-api for storing the admin data and also news data.



- 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.
I have used the localStorage for to cater the session management in the browser.
- 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

The screenshot shows the COVID-TRACKER application interface. At the top, there is a navigation bar with 'Dashboard', 'News', and 'Precautions' links, along with 'Log out' and '+ Add New' buttons. The main content area displays a news card for 'Coronavirus disease (COVID-19)' with a timestamp of 'Sun May 03 2020 17:31:05'. Below the card, a modal form titled '+ ADD NEW' is open. The form has three input fields: 'Title (required)', 'Description (required)', and 'Summary (required)'. A 'Save' button is at the bottom of the form. The footer of the application states 'Made with ❤️ by Ashish Aggarwal'.

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

After saving the new data in the news. We have see the latest news on the news page.

10.No login is required for general users.

Routes:

```
{ path: 'news', component: NewsComponent },
{ path: 'dashboard', component: DashboardComponent },
{ path: 'precautions', component: PrecautionsComponent },
{
  path: 'addNews',
  component: AddNewComponent,
  canActivate: [AuthGuard],
},
{ path: 'login', component: AdminComponent },
{ path: '', redirectTo: 'dashboard', pathMatch: 'full' },
{ path: '*', redirectTo: 'dashboard', pathMatch: 'full' },
{ path: '**', redirectTo: 'dashboard', pathMatch: 'full' },
];
```

ASSUMPTIONS:

1. InMemoryWebApi for storing the fake data.
2. Also cache the covid api into the browser.
3. Auth Guard for guarding the /addNews.
4. If the page not found, it will automatically redirect to the dashboard page.
5. After adding the new news, it will redirect to the news page.
6. After successful logged In, it will redirect to the dashboard page.
7. I have used the third party images service for the news page. Just to normalize and appearance of the page.
8. Every time we click on the state, we can see the district data on the modal.
9. Add unit test cases for the validation of form for both admin and news, also for the auth, user and covid services.

IMPORTANTS POINTS:

I have also catered the Mobile and Desktop UI appearance.

CREDENTIALS:

Email: admin@gmail.com

Password: admin1234

DEPLOYMENT PROD LINK:

<https://angular-covid19.surge.sh/>

GITHUB LINK:

<https://github.com/Ashish7129/Covid19-tracker>

THIRD PARTY RESOURCES:

Bootstrap and Bulma for CSS/JS

CounterUp for counting the cases. - waypoints and counterup JS

API LINKS:

For fetching the details of the covid stats, use

<https://api.covid19india.org/data.json>

For districts data, use

https://api.covid19india.org/state_district_wise.json