

## **Project Overview**

**Project Name - Dove (A complete MEAN Stack based Twitter functionality clone)**

### **Backend**

1. Standard file structure (Interfaces, Controllers, mongo file for database operations, routes file for defining all routes and index file for server connectivity)
2. Typescript based implementation
3. Typescript usage for data type checking and structuring over documents
4. Use of mongodb for all mongo operations (no 3rd party dependency over packages for database operations)
5. Use of aggregate operations for all document's data manipulates
6. Async-Await (promises) use
7. Use of logger for logging as well as debugging (all controllers and mongo file)
8. Config.json file to directly integrate the backend with CI/CD (Docker + Kubernetes)

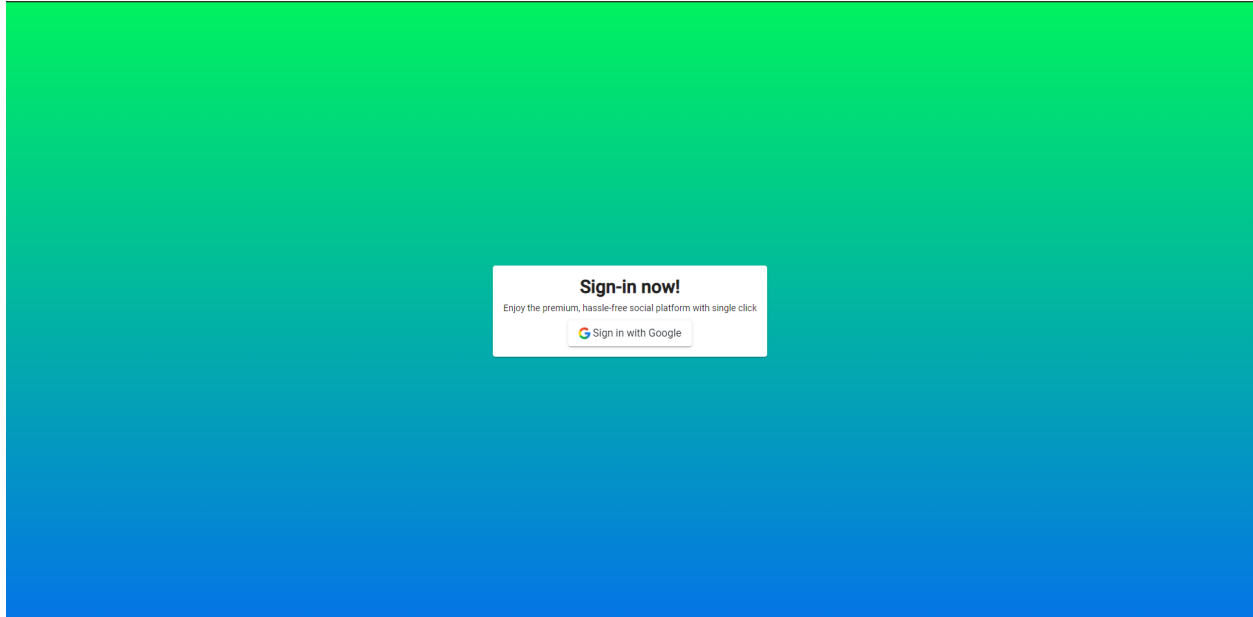
### **Frontend**

1. Use of Bootstrap 5+
2. Use of Angular CLI
3. Use of Angular Material
4. Use of RXJS based Observables (Subject)
5. Standard file structure (components based)
6. Use of Services for all HTTP requests (standard practice to do HTTP requests in services only)
7. Response handling
8. Loading over all HTTP requests
9. Toasts implementation for all HTTP responses
10. Pagination implementation for array based data objects

# Project Manual

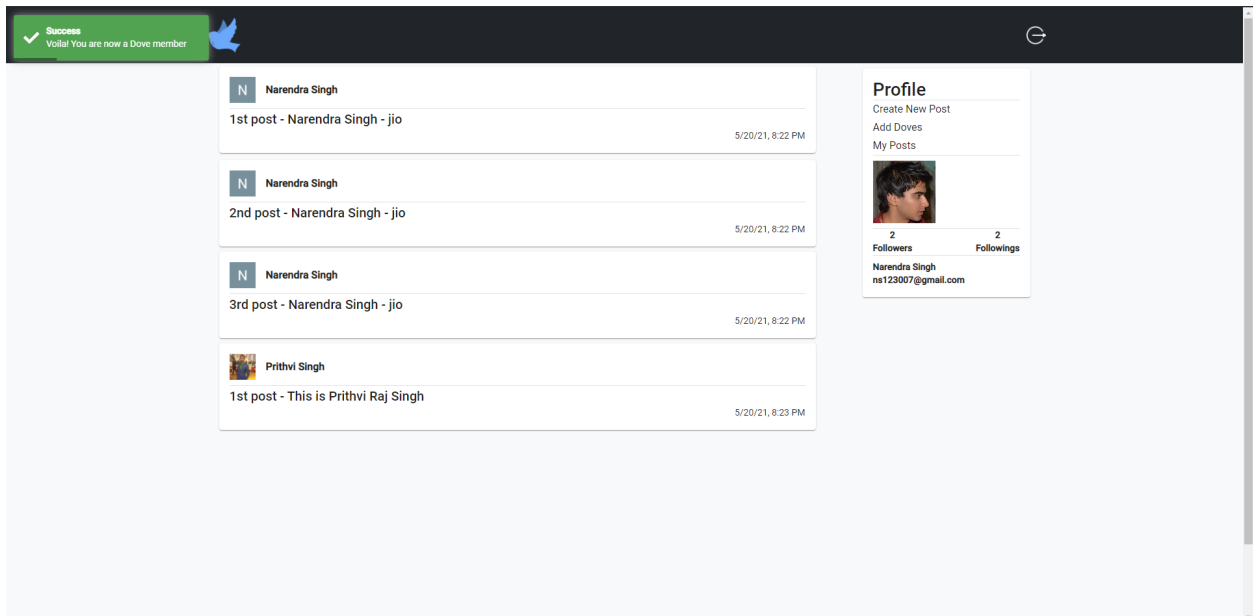
## 1. Login screen

Here, the user can login via Google

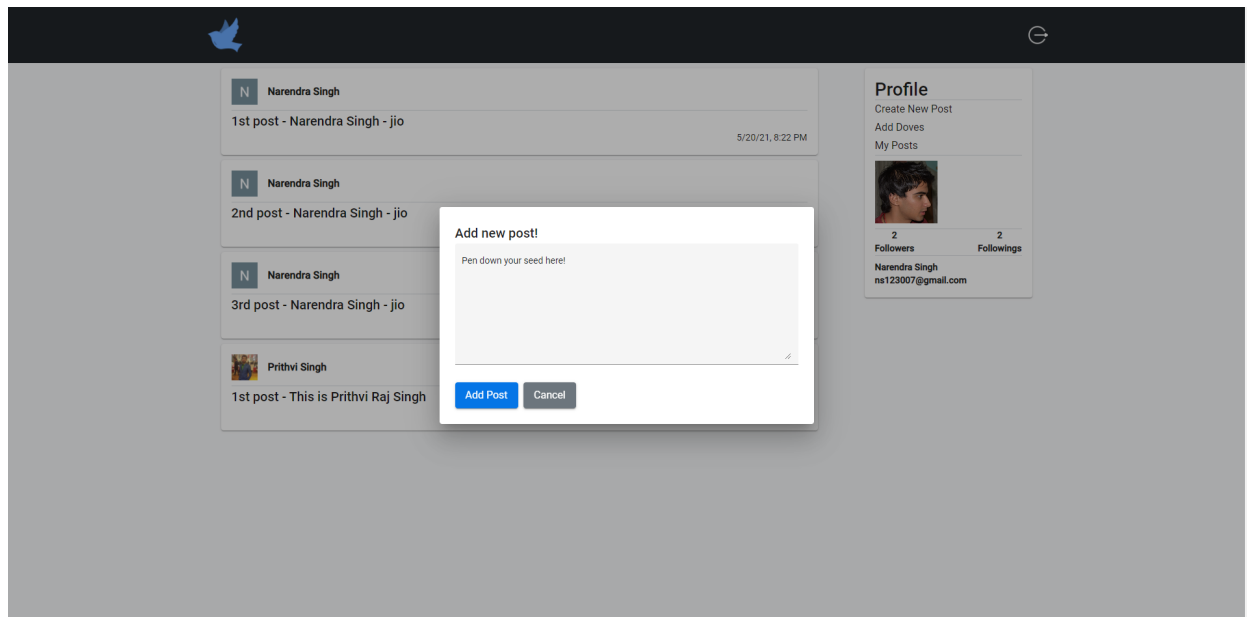


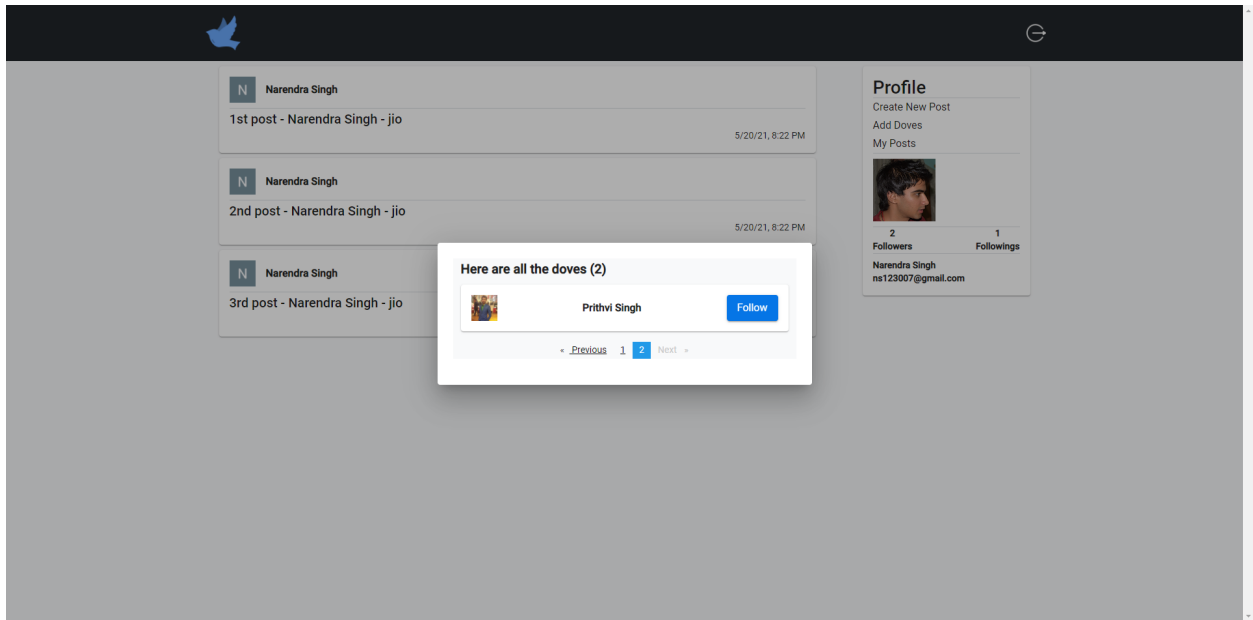
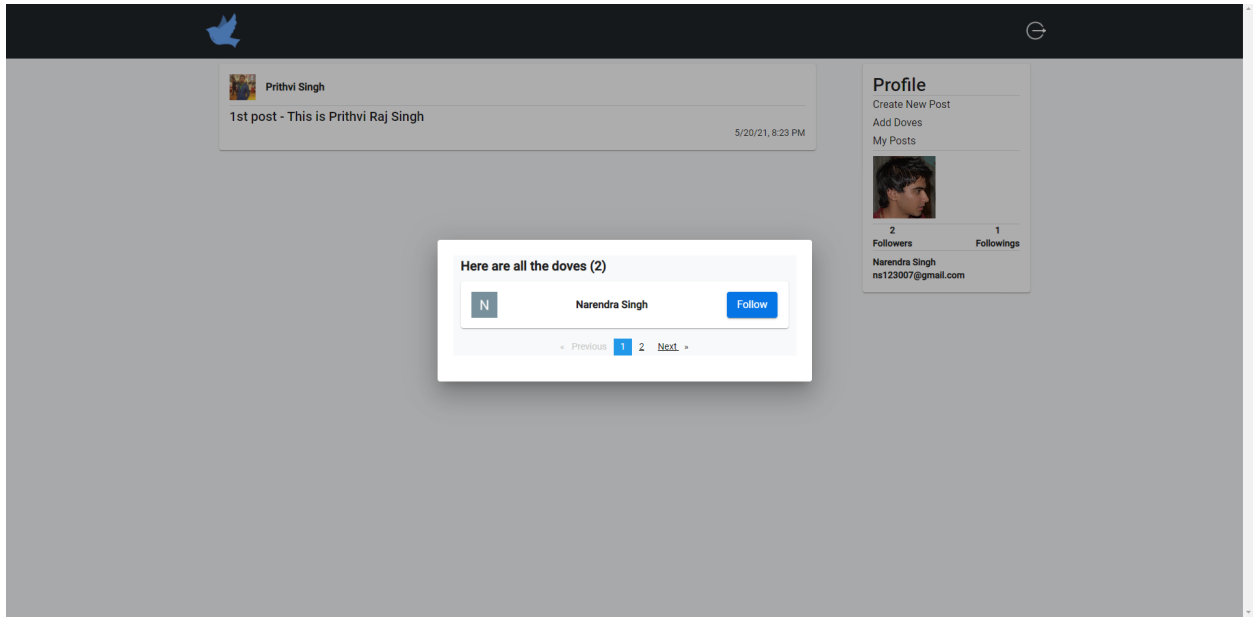
## 2. Dashboard

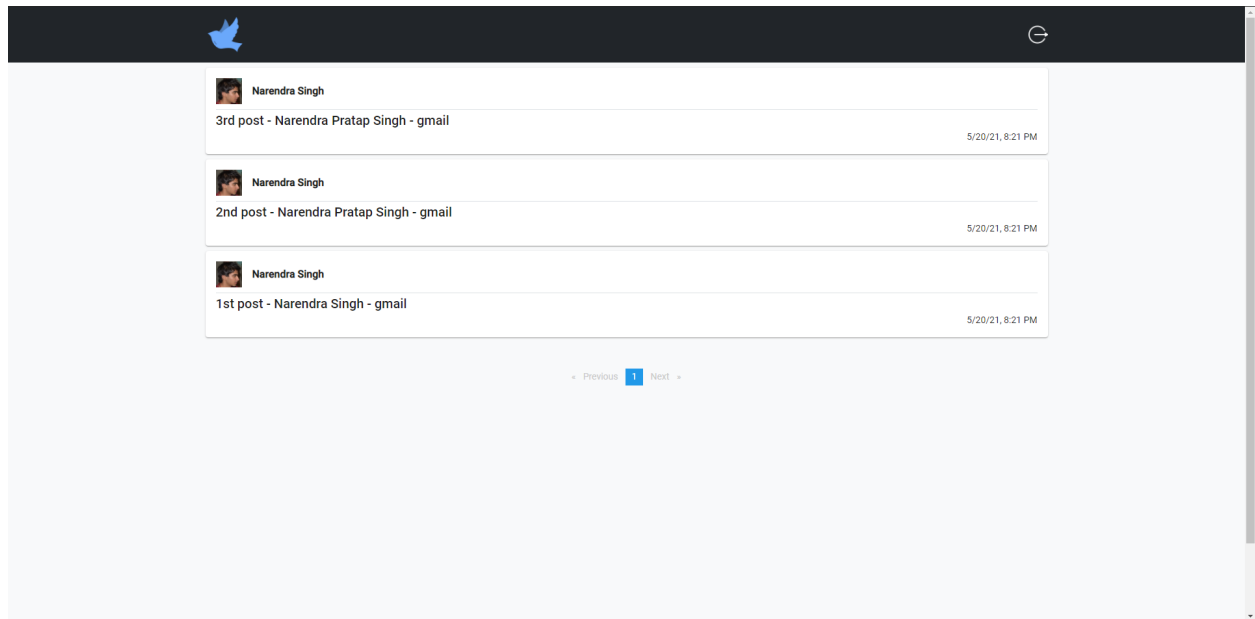
It's divided into 4 components: Header, Footer, Posts (left), Profile(right)



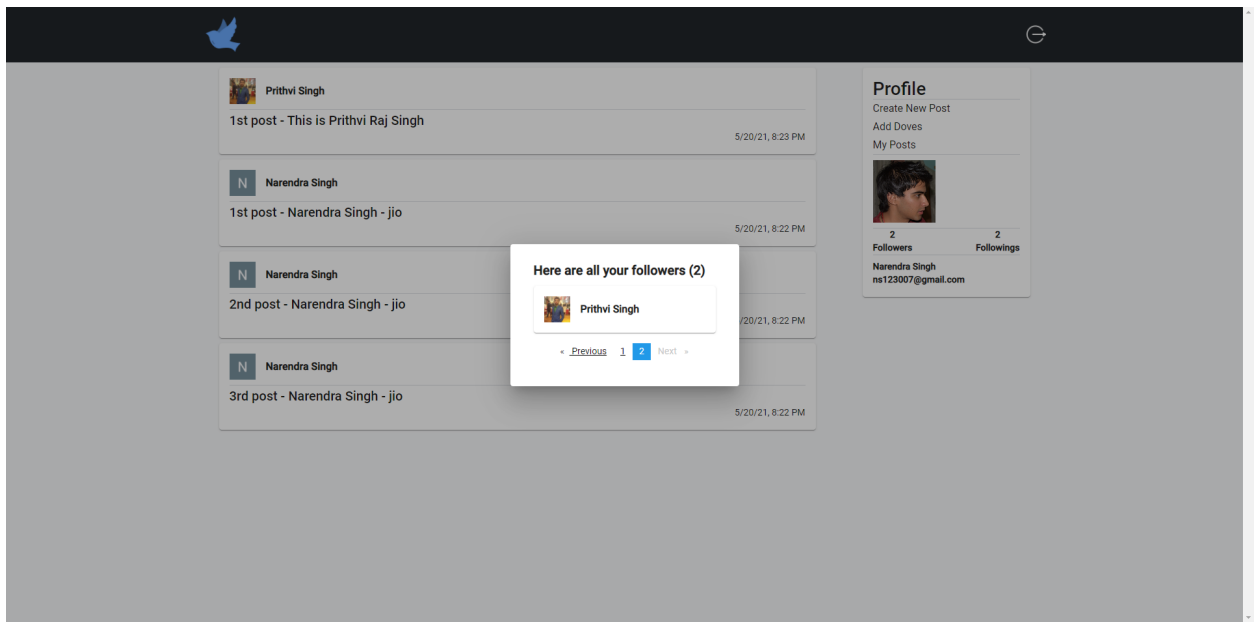
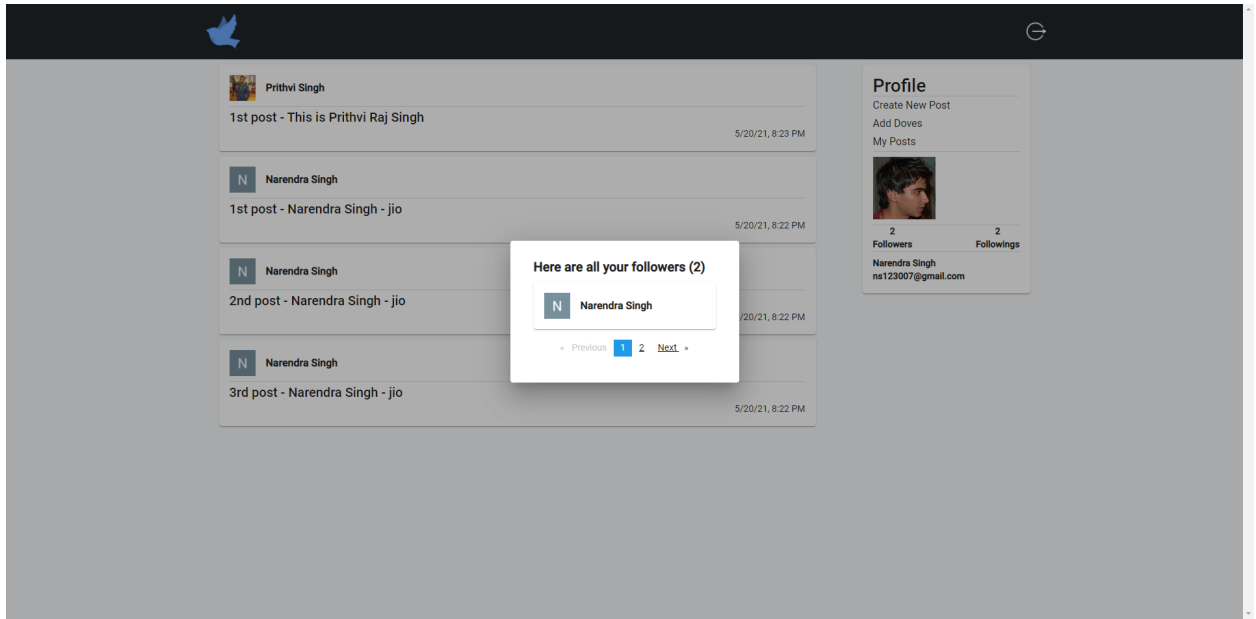
- The left side shows the posts of the person (they are called Dove) that the user is following.
- Right side shows the Profile section with the user's display picture, name and email.
- User's Followers and Following are also displayed under the Profile section
- User can do the following from the Profile section:
  - a. Create new post (This post will be visible to the user under My Posts in Profile section as well as to the user following)
  - b. Follow others (Add Doves) with Follow and UnFollow implementation
  - c. Check My Posts





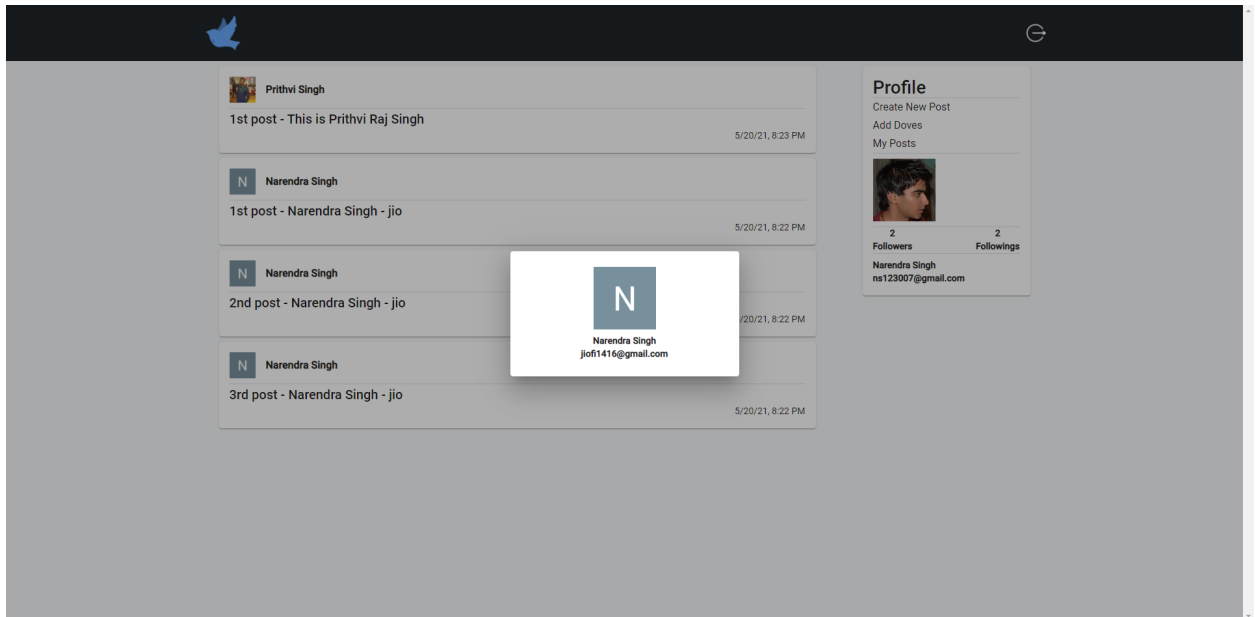


- Clicking on Followers will open a dialog with list of all Followers of the user:



- User can click on the display picture or name from the posts section (left) to open a new dialog which will show the follower's details as

below:



- Lastly, logout:

