MINI-NBA-APP By:Emmanuel Sedicol

Introduction

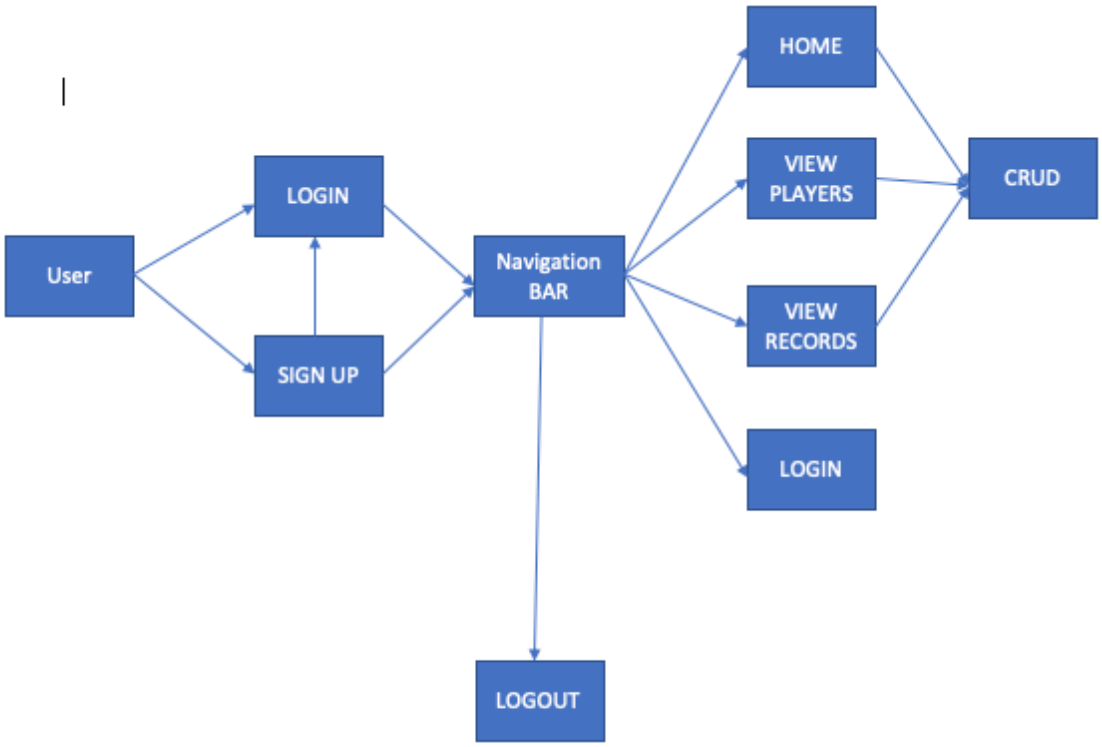
Since I was a big fan of Basketball, I decided to make an app that for the NBA association to use when they get new players and when players retire. The app will have a Vue.js front end with an additional framework called Vuetify for a more clean and semantic application. The app will have Firebase to store its data and the app will also be hosted by Firebase.

The main structure of my web app replicates a basic website which has a header, a body and a footer. The header will contain the navigation bar which will contain the links to every page and a link to the Logout, sign-out and login page.

Project Plan

1) I plan to add a functionality on the home page where users can add images on a carousel. Users will have to insert the image source and the player's name.
2) I decided to add an authentication process on the app. The user will have to login or signup first before they can access the pages.
3) On the 'View Players' page I plan to add the following CRUD actions:
   - Edit existing player. i.e. change name, images and player info.
   - Delete existing players
   - Add new players
4) I will create another page where a record of every team can be access. This will be in a form of list where admins or users can sort out the list according to the year a team won or the location of a team where the location is ordered alphabetically.
5) Lastly a logout button will be available on the footer.

Use Case Diagram



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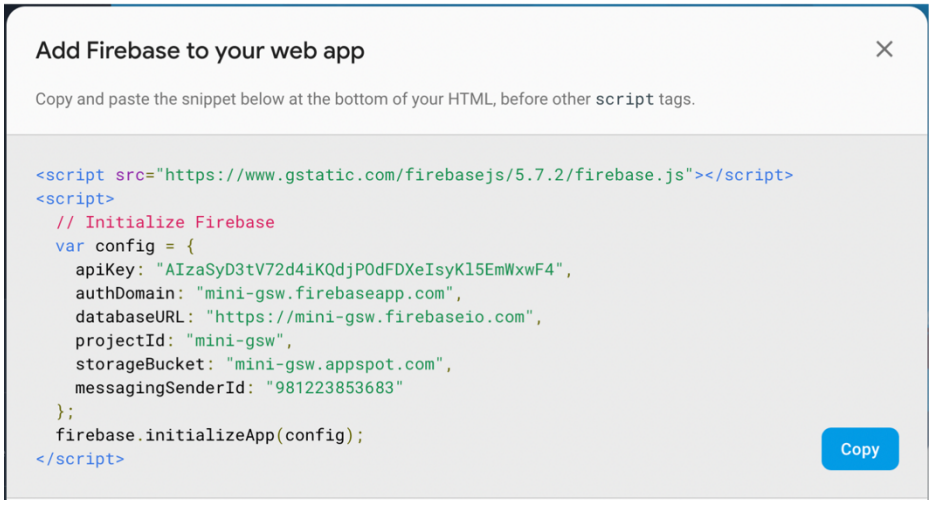
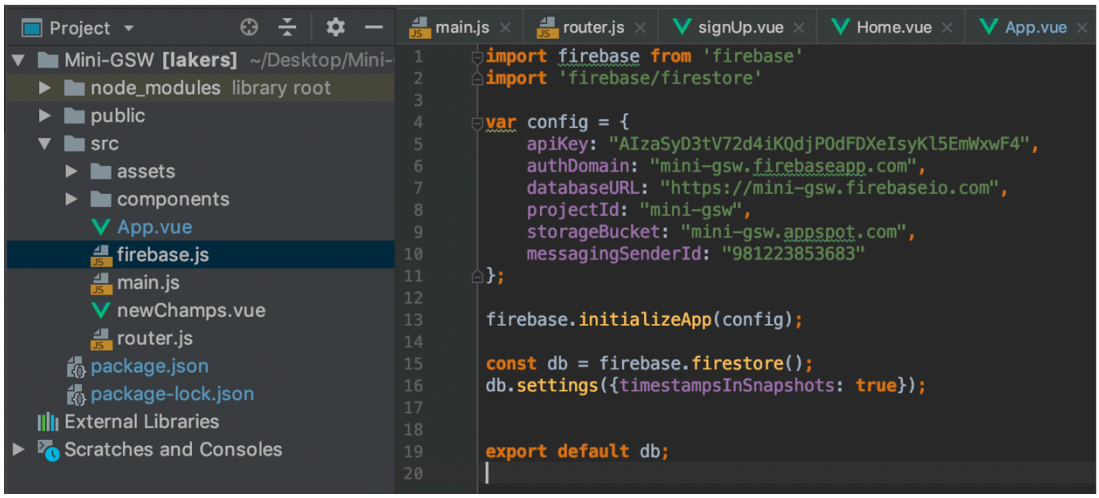
Set Up of working environment

1) First, I created a new project in WebStorm.
2) On the terminal I used NPM to install ‘vue-cli’
3) Then I entered ‘vue create <app name>’ to create a vue web app.
4) To add Vuetify I had to install the vuetify package and simply entered the following command ‘npm add vuetify.
5) Next I ran the command ‘npm install’ to install all the dependencies and ran the command ‘npm run serve’ to run the app on the local host

Firebase

1) I installed firestore using npm.
2) I created a new project on the Firebase website and populated the database.
3) I took the script from Firebase and pasted it on the new file I created called ‘firebase.





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Routes

```
let router =  new Router({
  routes: [ {
      path: '/home',
      name: 'home',
      component: Home,
      meta: {
          requiresAuth: true
      }},
      {
          path: '/players',
          name: 'Player',
          component: Player,
          meta: {
              requiresAuth: true
          }},
      {
          path: '/champs',
          name: 'champs',
          component: Champs,
          meta: {
              requiresAuth: true
          }},
      {
          path: '/newChamps',
          name: 'newChamps',
          component: newChamps,
          meta: {
              requiresAuth: true
          }},
      {
          path: '/signUp',
          name: 'signUp',
          component: signUp
      },
      {
          path: '/login',
          name: 'login',
          component: login
      }
  ]
});
```

Conclusion

Overall I found the entire project hard, I not the best programmer specially when it comes to web development but the lecture and labs really gave me a good insight of the path to take upon tackling this CA. Still I really enjoyed every process and the learning experience was superb, it was very challenging but it definitely gave enough knowledge of how backend and frontend are vital for a responsive web app.

Along the way I had many difficulties, I mainly looked for solutions in stack over flow and video tutorials available online. I have problems with logging in and also with the navbar, I wasn't able to fixed when hiding and showing the authentication buttons (Login, SignUp and Logout).

I wanted to hide the signup and login button once login ang only show logout but this wouldn't be advisable and the use experience won't be as good. In the end I got the authentication part working and was happy of how it looked.