

Chapter 3

INSTALLATION INSTRUCTIONS

ReactJS is an open-source, front end, JavaScript library for building user interfaces or UI components. React can be used as a base in the development of single-page or mobile applications. Firebase is a platform developed by Google for creating mobile and web applications

3.1 Installing FireBase

- To start with installation process, Go to <https://firebase.google.com> and log into your Google account.
- Click on “Add Project”.
- Give the project a name.
- From the right panel, select Cloud Firestore.
- The Cloud Firestore is the database for Firebase.
- Select Authentication from the side panel.
- Select Set up sign-in method. Click on the pencil icon near Email/Password.
- Now click on Settings icon on the side panel and select Project Settings so that we can setup this Firebase project with our React project.
- Enter the project name and remember to select Also setup Firebase Hosting
- Install dependencies named firebase and firebase-tools
- Copy the entire config and then go back to Visual Studio Code, make a new file named firebase.js and paste it.
- This configuration contains ID and keys FireBase uses for authentication.

3.2 FireBase Configuration

- The FireBase configuration looks something like this.

Firestore SDK snippet

☐ Automatic [?](#) ☐ CDN [?](#) ☒ Config [?](#)

Copy and paste these scripts into the bottom of your <body> tag, but before you use any Firebase services:

```
// For Firebase JS SDK v7.20.0 and later, measurementId is optional
const firebaseConfig = {
  apiKey: "AIzaSyCKTvznp3NIXIUn2m8fh9vQ5SpQ7x_DVrM",
  authDomain: "online-db913.firebaseio.com",
  projectId: "online-db913",
  storageBucket: "online-db913.appspot.com",
  messagingSenderId: "745611967825",
  appId: "1:745611967825:web:c25022e6eee8556d082770",
  measurementId: "G-LX73NC0ZGX"
};
```

