

# Digital Walk-Around Project - Fat 6 Frontend Installation Guide

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# 2 Frontend Installation

## 2.1 Intro

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This section outlines the initial steps involved with installing the actual frontend code repository and ensuring that everything is ready for setting up the Heroku application.

## 2.2 Download Repository

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Download the frontend directory (Fat-6-HSBC-Frontend) from the zip file provided or clone it from the git repository here: <https://github.com/CPSC319-Winter-term-2/Fat-6-HSBC-Frontend>. If you decide to clone the repository, make sure you copy it into a local directory with the git history, and link to the actual repo (ie) create a local copy of the repo without the .git file).

## 2.3 Backend Connection

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Once you have completed step 8.2 in the backend installation guide, refer to the guide to find the websocket URL used for connecting to the backend. Navigate to the src/App.tsx file and replace the url up to but not including the ?token=\${token} part of the string.

## 3 Heroku Setup

### 3.1 Heroku Deployment

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If you wish to link your Heroku deployment directly to a git repository through the GUI

1. Create your own private git repository from the front-end directory, (ie) ensure that it is not linked to the front-end repo in the link above), by creating a new git repo from scratch and copying over the files
2. Copy the link of your new git repo, and note it down for later
3. Go to <https://id.heroku.com/login> and login, or create a new account
4. Navigate to the apps page here: <https://dashboard.heroku.com/apps> and click, 'New', then 'Create new app'.
5. Give the app a name, select the region closest to you, then click 'Create app'
6. Once the app page loads, select the option 'GitHub - Connect to GitHub' under the 'Deployment method' section
7. If you haven't linked your heroku account to GitHub, click the 'Connect to GitHub' button under the 'Connect to GitHub' section
8. Once you have authorized Heroku to use your GitHub, enter the repository link you copied earlier (for your version of the front-end repository)
9. Once Heroku has found the repository click the 'Connect' button
10. Go to the settings page and click Add Buildpack, in the Enter Buildpack URL field write this: <https://github.com/mars/create-react-app-buildpack>, then click accept.
11. Go back to the deploy page. If you wish, enable automatic deploys, or click 'manual deploy'
12. Once your app is deployed click the 'Open app' button on the Heroku app's main page and ensure that you are brought to a page that says "server is running"

If you wish to manually link Heroku to a git repository using the CLI

1. Create your own private git repository from the front-end directory, (ie) ensure that it is not linked to the front-end repo in the link above), by either simple creating a new git repo from scratch and copying over the files, or forking the front-end repo.
2. Follow the instructions here: <https://devcenter.heroku.com/articles/git>

## 4 Firebase

### 4.1 Intro

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This section describes how to connect the Frontend to Firebase for authenticating users.

### 4.2 Firebase API

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Note: Refer to the Backend Installation guide for setting up the Firebase project

1. Login to the Firebase console at: <https://console.firebase.google.com/u/1/>
2. Open the project associated with the application
3. Go to the Project Settings page by clicking the “Project Settings” icon on the left sidebar
4. Scroll to the bottom and add a new web app to the project
  - a. Give the app a name
  - b. Copy the Firebase configuration code (example shown below)

```
// COPY THIS CODE FROM THE FIREBASE CONSOLE SDK AND CONFIGURATION SECTION:  
const firebaseConfig = {  
  apiKey: "AIzaSyDyztfsWsAsgTWEti622Cp7xVH8kY7lK2o",  
  authDomain: "test-project-a49a1.firebaseio.com",  
  projectId: "test-project-a49a1",  
  storageBucket: "test-project-a49a1.appspot.com",  
  messagingSenderId: "144673814035",  
  appId: "1:144673814035:web:6dc410fcb7edc8bdfc71e6"  
};
```

5. Add the firebaseConfig to the frontend
  - a. Navigate to the src/services/firebase.ts file, and replace the values for all the properties in the “firebaseConfig” object with the ones obtained from your Firebase account.