**This will provide instructions on how to use the application.**

Username: 'test'

Password: 'test1'

1. When you do 'gulp start', you will be landed to the Login page. Type above username and password.
2. You will be directed to the Dashboard page. This is where you should do all the settings. You can select the needed stocks to show in the Live Stock Page. And click save settings. Now you are ready to go.
3. Goto Dashbord and select your favorite stocks in Dashboard to get live updates.
4. Now go back to Live Stock Tickers page. And you see your live stock updates of your favorite stocks.
5. To change settings (all code level) in the application, please follow instructions below
6. All settings in the application can be found in this location

**Stock\_ticker\_client > app > app.settings.js**

1. Below are the settings available in app.settings.js file

* stockUpdateFrequency: 20
  + This indicates the number of seconds between each stock update.
* stockUpdateCountBeforeInterval: 5,
  + In this you can set the number of stock updates before each intervals. The stocks will be updated each 20 seconds for 5 times.
* stokUpdateInterval: 60,
  + This is the time interval between each set of stock updates.
* stop\_live\_update\_on\_leaving\_live\_view: false,
  + This will stop the stock update cycle loop if we transit to another page. Meaning, if you set this to false, then the stock update will be running in the background even If you are in another page.
* work\_offline: false
  + *This feature is not implemented with the lack of time. This will make the app work without the nodejs server.*