

MuseJam Challenge

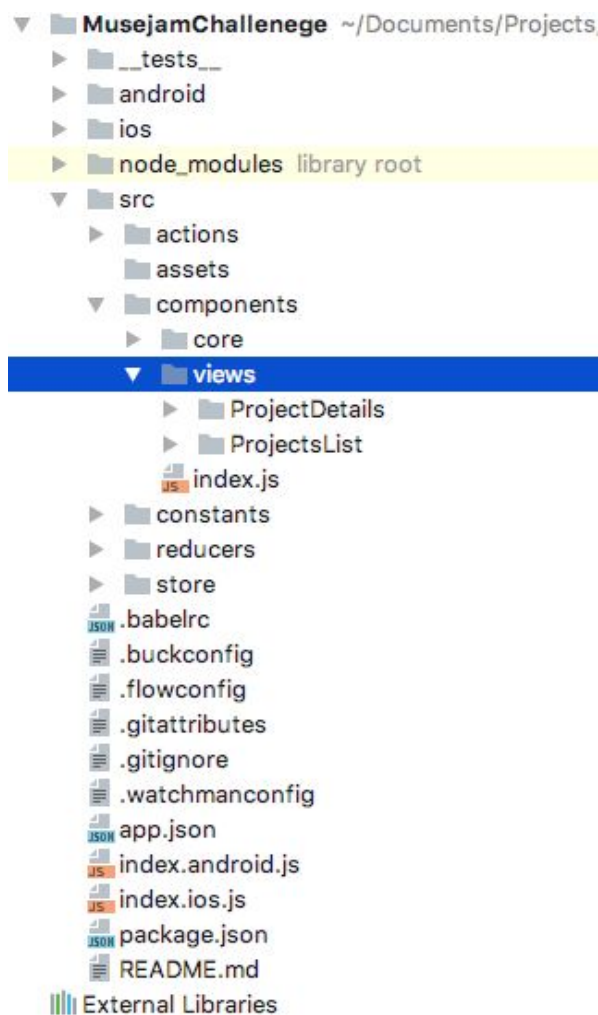
This is a Challenge problem conducted by Musejam on React native. Following are the points used :-

1. React native.
2. Redux Architecture (A library for maintaining whole application state).
3. ES6 features

Below are the helpers library used :-

1. Redux logger(for logging action and state on development time).
2. Redux-thunk(a library for handling async call).
3. React native vector icons for various icons used in the project.
4. Moment for date format

Following structure is being used for the project development :-



I structures the project according to Redux Architecture.

1. In actions folder we have all actions that will be dispatched during application development cycle.
2. In assets we put all relevant images, fonts.
3. Components are basically our main views part of the application. I have divided the components a very lower level so that they can be reused whenever required.
4. Constants folder contains all constants like actions constants + api constants. We put this into a separate file so that if in future any changes is required instead of searching in files we make changes into these constant files.
5. Reducers is responsible for handling application state. This is single source of truth for the application.
6. Store are basically used to interact action with Reducer.

Following Features have been implemented in the application :-

1. List view with some simple styling for all the projects coming from API.
2. Search bar with search functionality.
3. Filter on clicking filter icon a menu will open to select the filter type either by Alphabetical or by date. This feature is working fine but it is running very slow so I need to check this so due to timing I am submit this as it is.
4. Filter by number of Backer. This feature is not clear to me so I could not do this so now on click on the filter button a menu will open but nothing will happen on selecting that menu.
5. On clicking on a project cell in the list view we are showing a project details page since in the response we are getting a url parameter and after prepending <https://www.kickstarter.com/> domain we are getting a web page so I did use of WebView to show details of the projects on the web page.
6. I could not cover pagination on the list in this time duration.

I have put this project on Github below is the link :- [MusejamChallenege](#)

My another sample project that i did during my RN learning phase [React native chat App](#) . This application used socket.io simple user will enter his name by installing this application in to his device/ simulator and they will start real time chatting.

Below are the step to run the projects :-

1. Extract the .zip or take clone the [Git repo](#) then extract it.
2. run npm install to install dependencies.
3. run react-native link command to link binaries.
4. run react-native run-android to create build for android.
5. run react-native run-ios to create build for iOS.