# Department of Computing

**CS-213: Advanced Programming**

**Class: BSCS 7A**

**Project Description**

**Date: 20th December, 2019**

# Instructor: Dr. Sidra Sultana

**Lab Engineer: Ms. Ayesha Asif**

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Group Mates:

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| --- | --- | --- |
| **Names:** | **CMS ID** | **GitHub Link** |
| Muhammad Talha Umair Alim | 220871 | <https://github.com/talha3111997> |
| Muhammad Kamran | 227591 | <https://github.com/MuhammadKamran1> |
| Farukh Ahmed | 220247 | <https://github.com/Farukh-Shaikh> |

**Project title: News App in Reactive Native**

**Project Description:** Our app is using API from <https://newsapi.org/> to display the headlines along with image, description, source and time. User can also get the details of the article or headline by clicking on the article. Some Future improvements in the mind are: show news according to the category, show the recommended news to each user according to his/her history.

Here is the link to the GitHub repository: <https://github.com/talha3111997/News-App-in-React-Native>

Code of App.js

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| --- |
| /\*\*   \* Sample React Native App   \* https://github.com/facebook/react-native   \*   \* @format   \* @flow   \*/  import {getNews} from './src/news'  import React, { Component } from 'react';  import Article from './src/components/Articles'  //import content from './src/component/content'  import {    SafeAreaView,    StyleSheet,    ScrollView,    View,    Text,    StatusBar,    FlatList  } from 'react-native';  import {    Header,    LearnMoreLinks,    Colors,    DebugInstructions,    ReloadInstructions,  } from 'react-native/Libraries/NewAppScreen';  export default class App extends Component {    constructor(props) {      super(props);      this.state = { articles: [], refreshing: true };      this.fetchNews = this.fetchNews.bind(this);    }    componentDidMount() {     this.fetchNews();     }     fetchNews(){       getNews()        .then(articles => this.setState({articles: articles, refreshing: false}))        .catch(()=> this.setState({refreshing: false}));     }     handleRefresh(){       this.setState({refreshing: true}, ()=>this.fetchNews());     }    render(){    return (            <FlatList data={this.state.articles}                  renderItem={({item}) => <Article article={item}/>}                  keyExtractor={item=>item.url}                  refreshing={this.state.refreshing}                  onRefresh={this.handleRefresh.bind(this)}          />      );  }};  const styles = StyleSheet.create({    scrollView: {      backgroundColor: Colors.lighter,    },    engine: {      position: 'absolute',      right: 0,    },    body: {      backgroundColor: Colors.white,    },    sectionContainer: {      marginTop: 32,      paddingHorizontal: 24,    },    sectionTitle: {      fontSize: 24,      fontWeight: '600',      color: Colors.black,    },    sectionDescription: {      marginTop: 8,      fontSize: 18,      fontWeight: '400',      color: Colors.dark,    },    highlight: {      fontWeight: '700',    },    footer: {      color: Colors.dark,      fontSize: 12,      fontWeight: '600',      padding: 4,      paddingRight: 12,      textAlign: 'right',    },  }); |