**COMSATS University Islamabad, Lahore**

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**Assignment III – Semester Spring 2020**

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| Course Title: | Software Testing | | | | Course Code: | SED 305 | Credit Hours: | | 2 |
| Course instructor/s: | Sabeen Amjad­ | | | | Program Name: | BS Software engineering | | | |
| Semester: | 8th | Batch: | FA 16-BSE | Section: | B | Date: | | 27-04-2020 | |
| **Deadline:** | **08-05-2020** | | | | **Maximum Marks:** | | | **10** | |
| **Name** | **Syed Mohammad Mehdi Raza Abidi** | | | | **Roll. No.** | | | **FA16-BSE-057** | |

Prepare document consisting of the following.

* Write one non-functional requirement of your final year project of the following categories.
  + **Compatibility:**
    - Verify Application is compatible with above and equal to Android version 4.2.0.
  + **Reliability**
    - Verify that user use application without any hindrance and server never hang or always responding.
  + **Configuration**
    - Verify configuration setting of application is working according to requirement.
* Write one test case to test the mentioned non-functional requirement.
  + Test Case:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item to Test** | | **Test Description** | **Test Date** | **Responsibility** |
| React Native and its dependencies versions compatibility | | Check whether there versions are compatible with other dependencies or not. | N/A | Checking |
| ***Application Name*** | | RideShare | | | | |
|  | |  | | | | |
| ***Purpose*** | | Check whether there versions are compatible with other dependencies or not. | | | | |
| ***Environment*** | | "@freakycoder/react-native-header-view": "^0.4.5",      "@react-native-community/geolocation": "^2.0.2",      "base64-arraybuffer": "^0.2.0",      "crypto-js": "^3.1.9-1",      "geolib": "^3.2.1",      "haversine": "^1.1.1",      "lz-string": "^1.4.4",      "lzutf8": "^0.5.5",      "prop-types": "^15.7.2",      "react": "16.8.6",      "react-native": "0.60.5",      "react-native-android-location-enabler": "^1.2.0",      "react-native-base64": "^0.0.2",      "react-native-dynamic-vector-icons": "^0.1.0",      "react-native-elements": "^1.1.0",      "react-native-facebook-account-kit": "^2.1.0",      "react-native-gesture-handler": "^1.3.0",      "react-native-google-places": "^3.1.2",      "react-native-google-places-autocomplete": "^1.4.1",      "react-native-image-picker": "^1.0.2",      "react-native-image-resizer": "^1.0.1",      "react-native-iphone-x-helper": "^1.2.1",      "react-native-keyboard-aware-scroll-view": "^0.9.1",      "react-native-maps": "^0.26.1",      "react-native-masked-text": "^1.13.0",      "react-native-material-dropdown": "^0.11.1",      "react-native-reanimated": "^1.2.0",      "react-native-screens": "^1.0.0-alpha.23",      "react-native-spinkit": "^1.4.1",      "react-native-vector-icons": "^6.6.0",      "react-navigation": "^3.11.1",      "socket.io-client": "^2.3.0" | | | | |
| ***Prerequisite*** | | List of dependencies with compatible version. | | | | |
| ***Strategy*** | | Read the documentation of dependencies | | | | |
| ***Expected Results*** | | All versions are compatible | | | | |
| ***Observations*** | | Some version are incompatible and deprecated | | | | |
| ***Result*** | | *PASSED* | | | | |

**Note:** This is an individual assignment. In case of cheating, assignment will be marked zero.

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