****

**MOBILE APPLICATION T&E REPORT**

\

**For**

**MAP-IN APP**

**Version-1.0**

**Developed By**

**Adnan Jafri**

B. Tech, 4th year, Computer Science & Engineering

Aryan Institute of Technology, Ghaziabad

Email: [adnan.jafri7@gmail.com](mailto:adnan.jafri7@gmail.com)

**Supervisor**

**Khushboo Mirza**

Scientist/Engineer ‘SF’

Regional Remote Sensing Centre - North

National Remote Sensing Centre

Indian Space Research Organization (ISRO)

Department of Space, Government of India, New Delhi

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Module** | **Activity** | **Test Case** | **Expected Result** | **Observed Result** | **Remarks** | **Tested By** |
| 1 | Home Screen | HomeScreen | TC 1: Click on "Login" button to go to Login Screen. | Navigated to the Login Screen | Navigated to the Login Screen |  | ADNAN JAFRI |
| TC 2: Click on "Register" button to go to Register Screen. | Navigated to the Register Screen | Navigated to the Register Screen |  |
| 2 | Register | Register Screen | TC 1: Fill the Register Form Fields and click "Register" button. | a) When user left a field empty which is required then error will be thrown. | An error has been shown as "All fields are required" |  |
| b) When user clicks Register then if there is no internet connection then error will be shown. | An error has been shown as "No Internet Connection" |  |
| c) When user clicks Register and if there is an active internet connection then a progress indicator will be shown and request will be sent to the server | Progress indicator has been shown and after success a "Registration Success" message has been shown and user has been navigated to "Login Screen" |  |
| 3 | Login | Login Screen | TC 1: Enter "Mobile No" and click "Login" | a) User left the mobile no field blank error will be shown | Invalid Mobile Number has been shown |  |
| b) When user clicks Login then if there is no internet connection then error will be shown. | No Internet Connection has been shown |  |
| c) Progress indicator will be shown | No Progress Indicator Shown | fixed |
| d) After successful validation user will be navigated to next screen. | User navigated to Map Screen | App is Restarting after validation |
| 4 | Map & Geometry Tools | Map Screen | TC 1: On Entering Map Screen | Map will be loaded | Map has been loaded |  |
| TC 2: On Clicking the GPS Icon | User location will be shown | User Location has been shown with zoomed into the user location |  |
| TC 3: On Clicking the pencil icon. | Shape Drawing Tool will be opened | Shape Drawing Tool has been shown. |  |
| TC 4: On Clicking the layer icon | the layer icon and selecting the layer then Map will be reloaded in the selected layer and user location will be shown on the map despite clicking on GPS icon | map has been reloaded to the selected layer. |  |
| TC 5: In drawing tool, for e.g. we select line then point a location on the map and after that we select another shape say polygon | Marker will be reset to the selected shape |  |  |
| TC 6: After marking locations and click save button | User will be navigated to fill the location details | User has been navigated to Form Screen |  |
| Form Screen | TC 1: User clicks on "Capture" button | Camera app will be opened | App asks for camera & storage permission then Camera app is opened |  |
| TC 2: User filled the details and clicks on "Capture" button and after capture come back to the form screen | Text eneterd by the user will be intact | Text enterd by the user has been cleared out. | fixed |
| TC 3: On clicking "Save to Device" or "Send to Server" | Data will be saved to device DB or Sent to Server | Data has been saved in the Device Local DB but app is restarting after shownig alert "Data Saved Successfully" | fixed, App is not restarting and user is navigated to the Map View |
| TC 4: User going back to Map View | On Map View, the locations marked by the User and drawing tool as selected by the user will be shown | Map View has been shown but drawing tool has been reset all the location pointed by the user has been gone | fixed, Drawing tool has shown as selected by user and locations are also intact |
| 5 | History | History Screen | TC 1: Entering History Tab | Items saved on the local db will be shown and if there is no items then it will show "No items" | Items in the local db has been shown but in the first login if there's no item then loading indicator is showing infinitely | fixed |
| TC 2: On clicking "Export" button | An excel will be saved in the phone's storage | In Android 9 or lower it is working fine but in Android 10 & above it is throwing error. | fixed with storage permisison in Android 10 and above |
| TC 3: On Clicking "Send to Server" | If user select multiple items or one item which are available for selection then all the selected items will be updated to the server | All the selected items has been sent to the server. |  |
| Show On Map | TC 1: On Clicking "Show On Map" button | User will be navigated to Map View with geometry drawn on the Map as saved by the user and zoomed into the geometry location | User has be navigated to Map View with geometry drawn on the Map as saved by the user but not zoomed into the geometry location. | fixed, Now Map View with zoomed into the geometry location. |