**PALS System – White Box Testing**

**21 April 2016**

**Submitted By:**

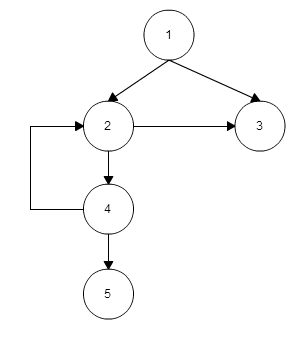
Alvin

AndiDarmawan

FakhriaNurShabrina

Muhammad Farhan Mubarak

Check Permission



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **1.1** | 1, 2, 4, 2, 3 |
| **1.2** | 1, 2, 4, 2, 5 |
| **1.3** | 1, 3 |

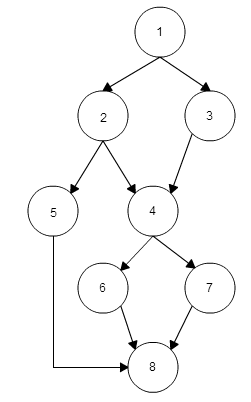
**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Test to be Performed By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-1.1 | |
| **Test Case Precondition** | Application installed in Android Platform 6.0 | |
| **Item(s) to be tested** | | |
| Check Permission-Path 1.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * android.os.Build.VERSION.SDK\_INT = 23 * permission.ACCESS\_FINE\_LOCATION = PERMISSION\_GRANTED | | return true |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Test By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-1.2 | |
| **Test Case Precondition** | Application installed in android platform 6.0 | |
| **Item(s) to be tested** | | |
| Check Permission-Path 1.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * android.os.Build.VERSION.SDK\_INT = 23 * permission.ACCESS\_FINE\_LOCATION = PERMISSION\_DENIED | | return false |
| **Results** | | | |
| Success | | | |

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| **Test By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-1.3 | |
| **Test Case Precondition** | Application installed in android platform 5.0 | |
| **Item(s) to be tested** | | |
| Check Permission-Path 1.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| android.os.Build.VERSION.SDK\_INT = 21 | | return true |
| **Results** | | | |
| Success | | | |

Get Permission



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **2.1** | 1, 2, 4, 6, 8 |
| **2.2** | 1, 2. 4, 7, 8 |
| **2.3** | 1, 2, 5, 8 |
| **2.4** | 1,3,4,6,8 |
| **2.5** | 1,3,4,7,8 |

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-2.1 | |
| **Test Case Precondition** | Check Permission return false, Devices already installed Google Play Services | |
| **Item(s) to be tested** | | |
| Get Permission-Path 2.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * Check Permission return false * permission.ACCESS\_FINE\_LOCATION = PERMISSION\_GRANTED * isGooglePlayServicesAvailable = .SUCCESS | | Activity continue running |
| **Results** | | |
| Success | | |

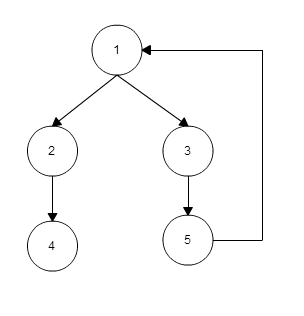
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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-2.2 | |
| **Test Case Precondition** | Check Permission return false, Devices not installed Google Play Servics | |
| **Item(s) to be tested** | | |
| Get Permission-Path 2.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * Check Permission return false * permission.ACCESS\_FINE\_LOCATION = PERMISSION\_GRANTED * isGooglePlayServicesAvailable != .SUCCESS | | Activity closed |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-2.3 | |
| **Test Case Precondition** | Check Permission return false | |
| **Item(s) to be tested** | | |
| Get Permission-Path 2.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * Check Permission return false * permission.ACCESS\_FINE\_LOCATION = PERMISSION\_DENIED | | Display ”Permission Rejected” Dialog then Application close automatically |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-2.4 | |
| **Test Case Precondition** | Check Permission return true, Devices already installed Google Play Services | |
| **Item(s) to be tested** | | |
| Get Permission-Path 2.4 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * Check Permission return true * isGooglePlayServicesAvailable = .SUCCESS | | Activity Continue Running |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-2.5 | |
| **Test Case Precondition** | Check Permission return true, Devices not installed Google Play Services | |
| **Item(s) to be tested** | | |
| Get Permission-Path 2.5 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * Check Permission return true * isGooglePlayServicesAvailable != .SUCCESS | | Activity Closed |
| **Results** | | |
| Success | | |

Display ATM Page



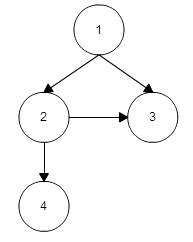
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| --- | --- |
| **Path ID** | **Path** |
| **3.1** | 1, 2, 4 |
| **3.2** | 1, 3, 5 |

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-3.1 | |
| **Test Case Precondition** | FindATM Button clicked | |
| **Item(s) to be tested** | | |
| Display ATM Page -Path 3.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Check Location return true | | ATM Page displayed |
| **Results** | | |
| Success | | |

|  |  |  |  |
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| **Tested By:** | Muhammad Farhan Mubarak | | |
| **Test Type** | White Box – Basis Path | | |
| **Test Case Number** | W-3.2 | | |
| **Test Case Precondition** | FindATM Button clicked | | |
| **Item(s) to be tested** | | | |
| Display ATM Page-Path 3.2 | | | |
| **Specifications** | | | |
| **Input** | | **Expected**  **Output/Result** | |
| Check Location return false | | Display Command Dialog”Enable location services” | |
| **Results** | | |
| Success | | |

Check Network Connection



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **4.1** | 1-2-3 |
| **4.2** | 1-2-4 |
| **4.3** | 1-3 |

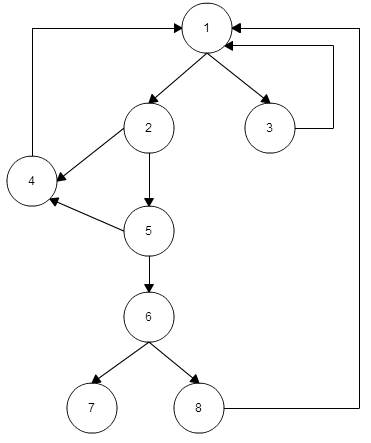
**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-4.1 | |
| **Test Case Precondition** | Devices did not have active default network | |
| **Item(s) to be tested** | | |
| Check Network Connection-Path 4.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| getActiveNetworkInfo = null | | Return false |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-4.2 | |
| **Test Case Precondition** | Devices connected to network | |
| **Item(s) to be tested** | | |
| Check Network Connection-Path 4.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| getActiveNetworkInfo = Type\_WIFI  isConnected =  true | | Return true |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-4.3 | |
| **Test Case Precondition** | Devices not connected to network | |
| **Item(s) to be tested** | | |
| Check Network Connection-Path 4.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| isConnected = false | | Return false |
| **Results** | | |
| Success | | |

Find ATM



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **5.1** | 1-2-4 |
| **5.2** | 1-2-5 |
| **5.3** | 1-2-5-6-7 |
| **5.4** | 1-2-5-6-8 |
| **5.5** | 1-3 |

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-5.1 | |
| **Test Case Precondition** | combo box “Bank” still on the “Select Bank” option and Submit Button clicked and internet connection is available | |
| **Item(s) to be tested** | | |
| Find ATM-Path 5.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| bank\_name = “Select Bank”  radius = “Display All”  Check network return true | | Display command toast “select bank and radius” |
| **Results** | | |
| Success | | |

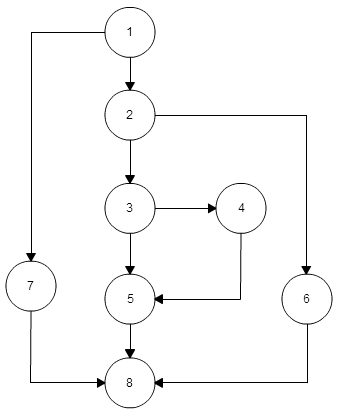
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| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-5.2 | |
| **Test Case Precondition** | combo box bank name is “Bank BCA” option, combo box “Radius” is“Display All” option, Submit Button clicked and internet connection is available | |
| **Item(s) to be tested** | | |
| Find ATM-Path 5.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| bank\_name = “Bank BCA”  radius = “Select Radius”  isNetworkConnected return true | | Display command toast “select bank and radius” |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-5.3 | |
| **Test Case Precondition** | combo box bank name is “Bank BCA” option, combo box “Radius” still on “Display All” option and Submit Button clicked and internet connection is available | |
| **Item(s) to be tested** | | |
| Find ATM-Path 5.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| bank\_name = “Bank BCA”  radius = “Display All”  isNetworkConnected return true | | Execute GetATM |
| **Results** | | |
| Success | | |

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| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-5.4 | |
| **Test Case Precondition** | Application still can not detect the user's location | |
| **Item(s) to be tested** | | |
| Find ATM-Path 5.4 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| currentLocation = null | | Display Error Toast “Can not detect yout location” message |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-5.5 | |
| **Test Case Precondition** | Internet connection is not available | |
| **Item(s) to be tested** | | |
| Find ATM-Path 5.5 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| isNetworkConnected return false | | Display Error Toast “No Internet Connection” message |
| **Results** | | |
| Success | | |

Get ATM Data



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **6.1** | 1-2-3-4-5-8 |
| **6.2** | 1-2-3-5-8 |
| **6.3** | 1-2-6-8 |
| **6.4** | 1-2-7-8 |

**Test Cases**

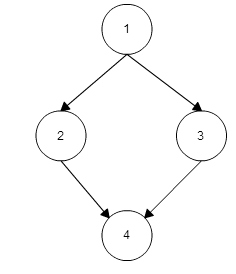
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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-6.1 | |
| **Test Case Precondition** | Application has been succesfully connected to “Get ATM Data” web service, and there are ATM data in the database server so the application can get the data. | |
| **Item(s) to be tested** | | |
| Get ATM Data Path-6.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Json response from database server  User selected radius  success==1 | | Parse the Json response to get the data, Calculate the radius to each locations, and filter based on user selected radius. Sort filtered location by its radius. After that send the filtered location data to next activity and start it. |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-6.2 | |
| **Test Case Precondition** | Application has been connected to “Get ATM Data” web service successfully, and there are ATM data in the database server so the application can get the data. | |
| **Item(s) to be tested** | | |
| Get ATM Data Path-6.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Json response from database server  success==1 | | Parse the Json response to get the data, Calculate the radius to each locations.. Sort the location by its radius. After that send the data to next activity and start it. |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-6.3 | |
| **Test Case Precondition** | Application has been connected to “Get ATM Data” web service successfully, and ATM data is still empty in the database server. | |
| **Item(s) to be tested** | | |
| Get ATM Data Path-6.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Json response from database server  success==0 | | Display “There is no data in database” message |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-6.4 | |
| **Test Case Precondition** | Application failed to connect to web server (slow internet connection) so that the request from application doesn’t get json response from server | |
| **Item(s) to be tested** | | |
| Get ATM Data Path-6.4 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Json == null | | Display “Slow Internet Connection” message. |
| **Results** | | |
| Success | | |

Display Results



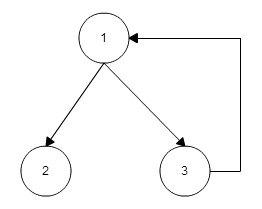
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| **Path ID** | **Path** |
| **7.1** | 1-2-4 |
| **7.2** | 1-3-4 |

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-7.1 | |
| **Test Case Precondition** | No ATM locations within 300m radius of the user's position | |
| **Item(s) to be tested** | | |
| Display Results Path-7.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Bundle == null | | Displays no data |
| **Results** | | | |
| Success | | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-7.2 | |
| **Test Case Precondition** | There are several ATM locations within 300m radius of the user's position | |
| **Item(s) to be tested** | | |
| Display Results Path-7.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Bundle != null | | Display ATM data and its distance |
| **Results** | | | |
| Success | | | |

Display Map



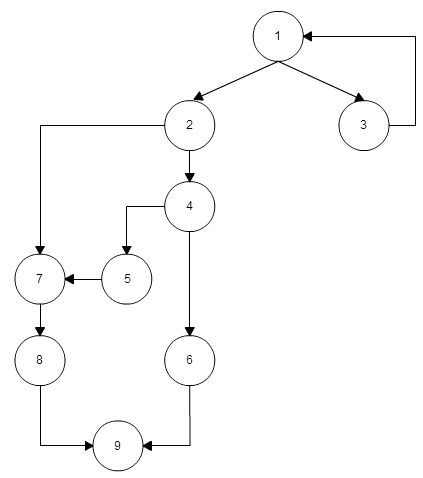
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| **Path ID** | **Path** |
| **8.1** | 1-2 |
| **8.2** | 1-3 |

**Test Cases**

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-8.1 | |
| **Test Case Precondition** | Internet connection is available | |
| **Item(s) to be tested** | | |
| Display Map Path-8.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| isNetworkConnected = true | | Display Map |
| **Results** | | |
| Success | | |

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| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-8.2 | |
| **Test Case Precondition** | Internet connection is not available | |
| **Item(s) to be tested** | | |
| Display Map Path-8.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| isNetworkConnected = false | | Display Toast “No Internet Connection” Message |
| **Results** | | |
| Success | | |

Get Direction



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **9.1** | 1, 2, 4, 5, 7, 8, 9 |
| **9.2** | 1, 2, 4, 6, 9 |
| **9.3** | 1, 2, 7, 8, 9 |
| **9.4** | 1, 3 |

**Test Cases**

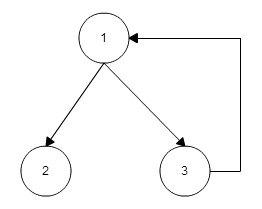
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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-9.1 | |
| **Test Case Precondition** | Application failed to connect to google maps direction web service because direction API is down  so that the request from application doesn’t get json response from server | |
| **Item(s) to be tested** | | |
| Display Map Path-9.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| User current location  Place location | | Display the error log on the logcat to see the error status. |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-9.2 | |
| **Test Case Precondition** | Application has been connected successfully to google maps direction web service, but there are some problem in  Communicate with server (wrong URL query) | |
| **Item(s) to be tested** | | |
| Get Direction Path-9.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| User current location  Place location | | Display the error log on the logcat to see the error status. |
| **Results** | | |
| Success | | |

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| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-9.3 | |
| **Test Case Precondition** | Application has been successfully connected to Google Maps Directions web service and gets the direction route. | |
| **Item(s) to be tested** | | |
| Get Direction Path-9.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| User current location  Place location | | Return the route that get from Google Directions API |
| **Results** | | |
| Success | | |

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| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-9.4 | |
| **Test Case Precondition** | Internet Connection is not Available | |
| **Item(s) to be tested** | | |
| Get Direction Path-9.4 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| isNetworkConnected return false | | Display Toast “No Internet Connection” message |
| **Results** | | |
| Success | | |

Display Direction



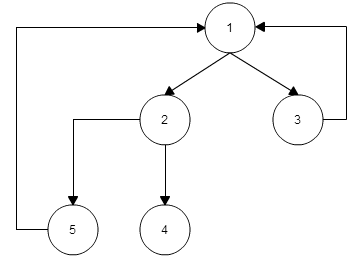
|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **10.1** | 1-2 |
| **10.2** | 1-3 |

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-10.1 | |
| **Test Case Precondition** | Route directions has been succesfully obtained | |
| **Item(s) to be tested** | | |
| Display Direction Path-10.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| lineOptions != null | | Direction shown |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-10.2 | |
| **Test Case Precondition** | Get Direction process is failed | |
| **Item(s) to be tested** | | |
| Display Direction -10.2 | | |
| **Specifications** | | |
| **Input** | | **Expected Output/Result** |
| lineOptions = null | | Error Toast displayed |
| **Results** | | |
| Success | | |

Make Phone Call

****

|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **11.1** | 1-2-4 |
| **11.2** | 1-2-5 |
| **11.3** | 1-3 |

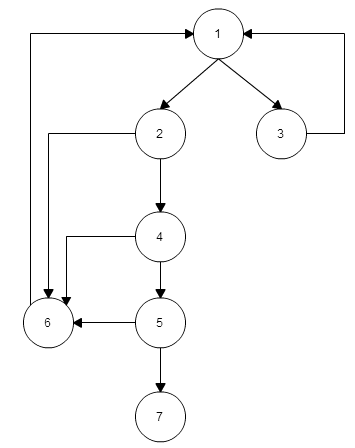
**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-11.1 | |
| **Test Case Precondition** | Repair shop have a phone number and permission call phone is granted | |
| **Item(s) to be tested** | | |
| Make a Phone Call Path-11.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| placePhone = “0218371631”  permission.CALL\_PHONE = PERMISSION\_GRANTED | | Activity Calling is running |
| **Results** | | | |
| Success | | | |

|  |  |
| --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak |
| **Test Type** | White Box – Basis Path |
| **Test Case Number** | W-11.2 |
| **Test Case Precondition** | Permission Call Phone is denied |
| **Item(s) to be tested** | |
| Make a Phone Call Path-11.2 | |
| **Specifications** | |
| **Input** | **Expected**  **Output/Result** |
| permission.CALL\_PHONE = =  PERMISSION\_DENIED | Display Toast “Can’t make a phone call” message |
| **Results** | |
| Success | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-11.3 | |
| **Test Case Precondition** | Repair Shop does not have telephone number | |
| **Item(s) to be tested** | | |
| Make a Phone Call Path-11.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| placePhone = “-” | | Displat Toast “Repair Shop Doesn’t have telephone number” message |
| **Results** | | |
| Success | | |

Input Location

****

|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **12.1** | 1-2-4-5-6 |
| **12.2** | 1-2-4-5-7 |
| **12.3** | 1-2-4-6 |
| **12.4** | 1-2-6 |
| **12.5** | 1=3 |

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-12.1 | |
| **Test Case Precondition** | Address field is empty | |
| **Item(s) to be tested** | | |
| Input Location-Path 12.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| name = “ATM BCA Margonda”  Bank\_name = Bank BCA  address = ”” | | Display Toast “Field Cannot be empty” message |
| **Results** | | |
| Success | | |

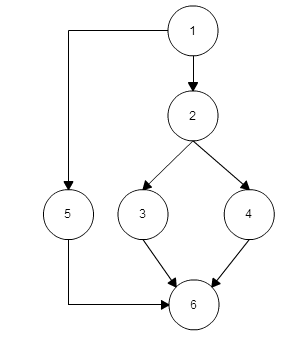
|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-12.2 | |
| **Test Case Precondition** | All field is not empty and Internet Connection is Available | |
| **Item(s) to be tested** | | |
| Input Location-Path 12.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| name = “ATM BCA Margonda”  Bank\_name = Bank BCA  address = ”Margonda Raya” | | Execute InsertATM |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-12.2 | |
| **Test Case Precondition** | Combo Box Bank Name still in “Select Bank” Option | |
| **Item(s) to be tested** | | |
| Input Location-Path 12.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| name = “ATM BCA Margonda”  Bank\_name = “”  address = ”Margonda Raya” | | Display Toast “Field Cannot be empty” message |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-12.4 | |
| **Test Case Precondition** | ATM name field is empty | |
| **Item(s) to be tested** | | |
| Input Location-Path 12.4 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| name = “”  Bank\_name = “Bank BCA”  address = ”Margonda Raya” | | Display Toast “Field Cannot be empty” message |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-12.5 | |
| **Test Case Precondition** | Internet Connection is not available | |
| **Item(s) to be tested** | | |
| Input Location-Path 12.5 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| isNetworkConnected = false | | Display Toast “No Internet Connection” message |
| **Results** | | |
| Success | | |

Post Data Input

****

|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **13.1** | 1-2-3-6 |
| **13.2** | 1-2-4-6 |
| **13.3** | 1-5-6 |

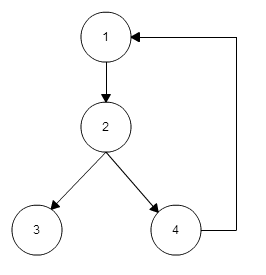
**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-13.1 | |
| **Test Case Precondition** | Application has been successfully connected to “Insert Location” web service | |
| **Item(s) to be tested** | | |
| Post Input Data-Path 13.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Json response from server  Success == 1 | | Display “ATM data sent to server, the data will be confirmed by Administrator before it can be shown in maps” message dialog. |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-13.2 | |
| **Test Case Precondition** | Application has been connected  successfully to “Insert Location” web service, but there are some problem in insert data process to database (wrong query) | |
| **Item(s) to be tested** | | |
| Post Input Data-Path 13.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Json response from server  Success == 0 | | Display “Insert Failed” message dialog. |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-13.3 | |
| **Test Case Precondition** | Application cannot connect to web service because the web is down, or the Application can connect to web service but the database server is down so that the input data process cannot be completed | |
| **Item(s) to be tested** | | |
| Post Input Data-Path 13.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Json response is null | | Display “There is problem in insert data process” message. |
| **Results** | | |
| Success | | |

Login



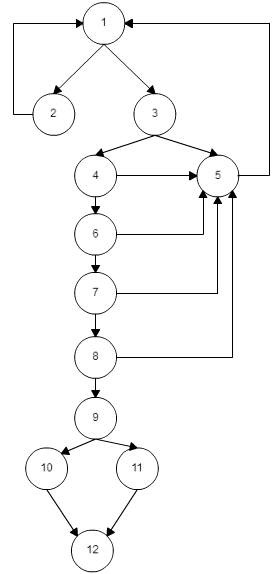
|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **14.1** | 1-2-3 |
| **14.2** | 1-2-4 |

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-14.1 | |
| **Test Case Precondition** | Open website <http://gopals.esy.es/admin/login.php>and Input valid username and password | |
| **Item(s) to be tested** | | |
| Login-Path 14.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * $username = “bolebole” * $password = “smti06” | | Display “Login Succes” message and The website will direct to admin login page |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-14.2 | |
| **Test Case Precondition** | Open website <http://gopals.esy.es/admin/login.php>and Input invalid username and password | |
| **Item(s) to be tested** | | |
| Login-Path 14.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * $username = “bolebole” * $password = “sarmag” | | Display “Wrong username or password” message and refresh page |
| **Results** | | |
| Success | | |

Add Data



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **15.1** | 1-2 |
| **15.2** | 1-3-4-5 |
| **15.3** | 1-3-4 -6-5 |
| **15.4** | 1-3-4 -6-7-5 |
| **15.5** | 1-3-4-6-7-8-5 |
| **15.6** | 1-3-4-6-7-8-9-10-12 |
| **15.7** | 1-3-4-6-7-8-8-11-12 |
| **15.8** | 1-3-5 |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-15.1 | |
| **Test Case Precondition** | Admin Login session is required | |
| **Item(s) to be tested** | | |
| Add Data 15.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Session != admin | | The website will redirects to Login Page |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-15.2 | |
| **Test Case Precondition** | combo box still in the “Select Bank” Option | |
| **Item(s) to be tested** | | |
| Add Data 15.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * $atm\_name = “ATM BCA Margonda” * $bank\_name = “” | | The website will refresh Input ATM Page |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-15.3 | |
| **Test Case Precondition** | Field Address is empty | |
| **Item(s) to be tested** | | |
| Add Data 15.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * $atm\_name = “ATM BCA Margonda” * $bank\_name = “Bank BCA” * $address = “” | | The website will refresh Input ATM Page |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-15.4 | |
| **Test Case Precondition** | Field latitude is empty | |
| **Item(s) to be tested** | | |
| Add Data 15.4 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * $atm\_name = “ATM BCA Margonda” * $bank\_name = “Bank BCA” * $address = “Margonda” * $latitude = null | | The website will refresh Input ATM page |
| **Results** | | |
| Success | | |

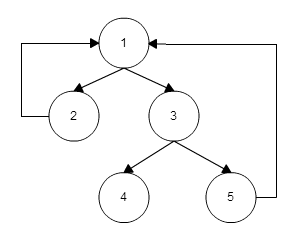
|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-15.5 | |
| **Test Case Precondition** | Field longitude is empty | |
| **Item(s) to be tested** | | |
| Add Data 15.5 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * $atm\_name = “ATM BCA Margonda” * $bank\_name = “Bank BCA” * $address = “Margonda” * $latitude = -6.893221 * $longitude = null | | The website will refresh Input ATM page |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-15.6 | |
| **Test Case Precondition** | The query executed succesfully | |
| **Item(s) to be tested** | | |
| Add Data 15.6 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * $atm\_name = “ATM BCA Margonda” * $bank\_name = “Bank BCA” * $address = “Margonda” * $latitude = -6.893221 * $longitude = 108.37437 * $results = true | | The records will be added to ATM table and the website will redirect to ATM Page |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-15.7 | |
| **Test Case Precondition** | the query execution is failed because of the error in database configuration | |
| **Item(s) to be tested** | | |
| Add Data 15.7 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * $atm\_name = “ATM BCA Margonda” * $bank\_name = “Bank BCA” * $address = “Margonda” * $latitude = -6.893221 * $longitude = 108.37437 * $results = false | | Show alert dialog that add data process is failed and refresh the page. |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-15.8 | |
| **Test Case Precondition** | Field ATM name is empty | |
| **Item(s) to be tested** | | |
| Add Data 15.8 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| $atm\_name = “” | | The website will refresh Input ATM page |
| **Results** | | |
| Success | | |

Delete Data



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **16.1** | 1-2 |
| **16.2** | 1-3-4 |
| **16.3** | 1-3-5 |

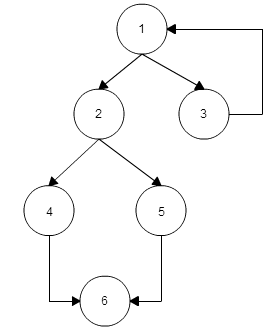
**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-16.1 | |
| **Test Case Precondition** | Admin Login session is required | |
| **Item(s) to be tested** | | |
| Delete Data-Path 16.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| Session != admin | | The website will redirects to Login Page |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-16.2 | |
| **Test Case Precondition** | Delete button is clicked and the query executed succesfully | |
| **Item(s) to be tested** | | |
| Delete Data-Path 16.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * Query = DELETE FROM atm WHERE id\_atm=2 * results = true | | Display “ATM data deleted succesfully” message then The ATM records will be deleted from ATM table |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-16.3 | |
| **Test Case Precondition** | Delete button is clicked and the query execution is failed because of the error in database configuration | |
| **Item(s) to be tested** | | |
| Delete Data-Path 16.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * query = DELETE FROM atm WHERE id\_atm=2 * results = true | | Show alert dialog that delete data process is failed and refresh the page. |
| **Results** | | |
| Success | | |

Get Data



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **17.1** | 1-2-4-6 |
| **17.2** | 1-2-5-6 |
| **17.3** | 1-3 |

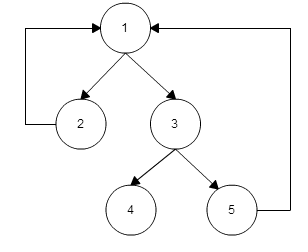
**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-17.1 | |
| **Test Case Precondition** | Bank name is already selected and the ATM data of that bank is available | |
| **Item(s) to be tested** | | |
| Get Data-Path 17.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| $bank\_name = “Bank BCA”  $count != 0 | | Dispay “ATM Available” and return json response |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-17.2 | |
| **Test Case Precondition** | Bank name is already selected and the ATM data of that bank is not available | |
| **Item(s) to be tested** | | |
| Get Data-Path 17.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| $bank\_name = “Bank BCA”  $count != 0 | | Dispay“No data” message and return json response |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-17.3 | |
| **Test Case Precondition** | Bank name is not yet selected | |
| **Item(s) to be tested** | | |
| Get Data-Path 17.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| $bank\_name = “” (empty) | | Refresh the page. |
| **Results** | | |
| Success | | |

Confirm Data



|  |  |
| --- | --- |
| **Path ID** | **Path** |
| **18.1** | 1-2 |
| **18.2** | 1-3-4 |
| **18.3** | 1-3-5 |

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-18.1 | |
| **Test Case Precondition** | Admin login session is expired | |
| **Item(s) to be tested** | | |
| Confirm Data-Path 18.1 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| session != admin | | The website will redirects to Login Page |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-18.2 | |
| **Test Case Precondition** | confirm button is clicked and the query executed succesfully | |
| **Item(s) to be tested** | | |
| Confirm Data-Path 18.2 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * queryinsert = "INSERT INTO atm (atm\_name, bank\_name, atm\_address, latitude, longitude) VALUES (“ATM BCA Margonda”, “Bank BCA”,”Margonda”, -6.8374, 108.8712) * results = true | | Display “ATM data has been confirmed” message then The ATM records will be added to ATM table and deleted from User Input ATM table |
| **Results** | | |
| Success | | |

|  |  |  |
| --- | --- | --- |
| **Tested By:** | Muhammad Farhan Mubarak | |
| **Test Type** | White Box – Basis Path | |
| **Test Case Number** | W-18.3 | |
| **Test Case Precondition** | confirm button is clicked and the query execution is failed because of the error in database configuration | |
| **Item(s) to be tested** | | |
| Confirm Data-Path 18.3 | | |
| **Specifications** | | |
| **Input** | | **Expected**  **Output/Result** |
| * queryinsert = "INSERT INTO atm (atm\_name, bank\_name, atm\_address, latitude, longitude) VALUES (“ATM BCA Margonda”, “Bank BCA”,”Margonda”, -6.8374, 108.8712) * results = false | | Show alert dialog that confirm user inputted data process is failed and refresh the page. |
| **Results** | | |
| Success | | |