Login

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-1 | |
| **Item(s) to be tested** | | | |
| Test administrator login with valid username and password (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Valid Username and Password | | | Login success, open administrator website homepage. |
| **Procedural Steps** | | | |
| 1 | Open website <http://gopals.esy.es/admin/login.php> | | |
| 2 | Input valid username and password | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-2 | |
| **Item(s) to be tested** | | | |
| Test administrator login with invalid username and password (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Invalid username and valid password,  Valid username and invalid password,  Invalid username and invalid password | | | Login failure, refresh the login page. |
| **Procedural Steps** | | | |
| 1 | Open website <http://gopals.esy.es/admin/login.php> | | |
| 2 | Input invalid username and valid password | | |
| 3 | Repeat step (2) with valid username and invalid password | | |
| 4 | Repeat step (2) with invalid username and invalid password | | |
| **Result** | | | |
| Success | | | |

Input ATM Name

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-3 | |
| **Item(s) to be tested** | | | |
| Test input atm name less than maximum characters allowed (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input atm name with less than 100 characters | | | Save the atm name to database |
| **Procedural Steps** | | | |
| 1 | Open “Input ATM” page | | |
| 2 | Input atm name with less than 100 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-4 | |
| **Item(s) to be tested** | | | |
| Test input atm name more than maximum characters allowed (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input atm name with more than 100 characters | | | Save the atm name to database, but atm name data saved truncated only 100 characters |
| **Procedural Steps** | | | |
| 1 | Open “Input ATM” page | | |
| 2 | Input atm name with more than 100 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-5 | |
| **Item(s) to be tested** | | | |
| Test input atm name with empty value (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Leave the atm name empty | | | Data not saved and refresh input page. |
| **Procedural Steps** | | | |
| 1 | Open “Input ATM” page | | |
| 2 | Leave the atm name empty | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Input ATM Address

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-6 | |
| **Item(s) to be tested** | | | |
| Test input atm address with any characters and length (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input atm address with any characters | | | Save the atm address to database |
| **Procedural Steps** | | | |
| 1 | Open “Input ATM” page | | |
| 2 | Input atm address with any characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-7 | |
| **Item(s) to be tested** | | | |
| Test input atm address with empty value (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Leave the atm address empty | | | Data not saved and refresh input page. |
| **Procedural Steps** | | | |
| 1 | Open “Input ATM” page | | |
| 2 | Leave the atm address empty | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Input Gas Station Name

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-8 | |
| **Item(s) to be tested** | | | |
| Test input gas station name less than maximum characters allowed (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input gas station name with less than 35 characters | | | Save the gas station name to database |
| **Procedural Steps** | | | |
| 1 | Open “Input Gas Station” page | | |
| 2 | Input gas station name with less than 35 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-9 | |
| **Item(s) to be tested** | | | |
| Test input gas station name more than maximum characters allowed (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input gas station name with more than 35 characters | | | Save the gas station name to database, but gas station name data saved truncated only 35 characters |
| **Procedural Steps** | | | |
| 1 | Open “Input Gas Station” page | | |
| 2 | Input gas station name with more than 35 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-10 | |
| **Item(s) to be tested** | | | |
| Test input gas station name with empty value (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Leave the gas station name empty | | | Data not saved and refresh input page. |
| **Procedural Steps** | | | |
| 1 | Open “Input Gas Station” page | | |
| 2 | Leave the gas station name empty | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Input Gas Station Address

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-11 | |
| **Item(s) to be tested** | | | |
| Test input gas station address with any characters and length (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input gas station address with any characters | | | Save the gas station address to database |
| **Procedural Steps** | | | |
| 1 | Open “Input Gas Station” page | | |
| 2 | Input gas address with any characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-12 | |
| **Item(s) to be tested** | | | |
| Test input gas station address with empty value (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Leave the gas station address empty | | | Data not saved and refresh input page. |
| **Procedural Steps** | | | |
| 1 | Open “Input Gas Station” page | | |
| 2 | Leave the gas station address empty | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Input Repair Shop Name

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-13 | |
| **Item(s) to be tested** | | | |
| Test input repair shop name less than maximum characters allowed (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input repair shop name with less than 35 characters | | | Save the repair shop name to database |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Input repair shop name with less than 35 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-14 | |
| **Item(s) to be tested** | | | |
| Test input repair shop name more than maximum characters allowed (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input repair shop name with more than 35 characters | | | Save the repair shop name to database, but repair shop name data saved truncated only 35 characters |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Input repair shop name with more than 35 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-15 | |
| **Item(s) to be tested** | | | |
| Test input repair shop name with empty value (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Leave the repair shop name empty | | | Data not saved and refresh input page. |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Leave the repair shop name empty | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Input Repair Shop Address

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-16 | |
| **Item(s) to be tested** | | | |
| Test input repair shop address with any characters and length (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input repair shop address with any characters | | | Save the repair shop address to database |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Input repair shop address with any characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-17 | |
| **Item(s) to be tested** | | | |
| Test input repair shop address with empty value (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Leave the repair shop address empty | | | Data not saved and refresh input page. |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Leave the repair shop address empty | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Input Repair Shop Telephone

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-18 | |
| **Item(s) to be tested** | | | |
| Test input repair shop telephone less than maximum number characters allowed (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input repair shop telephone with less than 13 number characters | | | Save the repair shop telephone to database |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Input repair shop telephone with less than 13 number characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-19 | |
| **Item(s) to be tested** | | | |
| Test input repair shop telephone more than maximum characters allowed (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input repair shop telephone with more than 13 number characters | | | Save the repair shop telephone to database, but repair shop telephone data saved truncated only 13 number characters |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Input repair shop telephone with more than 13 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-20 | |
| **Item(s) to be tested** | | | |
| Test input repair shop telephone with non number characters (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input non number character to repair shop telephone | | | User cannot input the non number character to repair shop telephone field |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Input non number character to repair shop telephone | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Input Vehicle Brand

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-21 | |
| **Item(s) to be tested** | | | |
| Test input vehicle brand less than maximum characters allowed (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input vehicle brand with less than 15 characters | | | Save the vehicle brand to database |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Input vehicle brand with less than 15 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-22 | |
| **Item(s) to be tested** | | | |
| Test input vehicle brand more than maximum characters allowed (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input vehicle brand with more than 15 characters | | | Save the vehicle brand to database, but vehicle brand data saved truncated only 15 characters |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Input vehicle brand with more than 35 characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-23 | |
| **Item(s) to be tested** | | | |
| Test input vehicle brand with empty value (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Leave the vehicle brand empty | | | Data not saved and refresh input page. |
| **Procedural Steps** | | | |
| 1 | Open “Input Repair Shop” page | | |
| 2 | Leave the vehicle brand empty | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Input Latitude and Longitude

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-24 | |
| **Item(s) to be tested** | | | |
| Test input latitude and longitude less than maximum number characters allowed (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input latitude and longitude with less than 16 number characters where 10 digits after decimal point | | | Save the latitude and longitude to database |
| **Procedural Steps** | | | |
| 1 | Open any category input page | | |
| 2 | Input latitude and longitude field with less than 16 number characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-25 | |
| **Item(s) to be tested** | | | |
| Test input latitude and longitude more than maximum number characters allowed (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input latitude and longitude with more than 16 number characters where 10 digits after decimal point | | | Save the latitude and longitude to database, but vehicle brand data saved truncated only 16 number characters where 10 digits after decimal point |
| **Procedural Steps** | | | |
| 1 | Open any category input page | | |
| 2 | Input latitude and longitude field with more than 16 number characters | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-26 | |
| **Item(s) to be tested** | | | |
| Test input latitude and longitude with non-number character (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Input non-number character to latitude and longitude field | | | User cannot input the non number character to latitude and longitude field |
| **Procedural Steps** | | | |
| 1 | Open any category input page | | |
| 2 | Input non-number character to latitude and longitude field | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-27 | |
| **Item(s) to be tested** | | | |
| Test input latitude and longitude with empty value (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Leave the latitude and longitude empty | | | Data not saved and refresh input page. |
| **Procedural Steps** | | | |
| 1 | Open any input page | | |
| 2 | Leave the latitude and longitude empty | | |
| 3 | Click Submit button | | |
| **Result** | | | |
| Success | | | |

Internet Connection

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-28 | |
| **Item(s) to be tested** | | | |
| Test find location in PALS Android application with normal internet connection (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Normal internet connection | | | Display list of place search result page |
| **Procedural Steps** | | | |
| 1 | Run the PALS Android application | | |
| 2 | Select any category find location (e.g. ATM) | | |
| 3 | Select bank name and radius | | |
| 4 | Click “Find” button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-29 | |
| **Item(s) to be tested** | | | |
| Test find location in PALS Android application with slow internet connection (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Slow internet connection | | | Display notification of slow internet connection |
| **Procedural Steps** | | | |
| 1 | Run the PALS Android application | | |
| 2 | Select any category find location (e.g. ATM) | | |
| 3 | Select bank name and radius | | |
| 4 | Click “Find” button | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-30 | |
| **Item(s) to be tested** | | | |
| Test find location in PALS Android application without internet connection (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| No internet connection | | | Display notification of no internet connection |
| **Procedural Steps** | | | |
| 1 | Turn off mobile data and wifi connection | | |
| 2 | Run the PALS Android application | | |
| 3 | Select any category find location (e.g. ATM) | | |
| 4 | Select bank name and radius | | |
| 5 | Click “Find” button | | |
| **Result** | | | |
| Success | | | |

Location Service

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-31 | |
| **Item(s) to be tested** | | | |
| Test running PALS Android application with location service enabled (Valid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Location service enabled | | | Run the application normally |
| **Procedural Steps** | | | |
| 1 | Run the PALS Android application | | |
| 2 | Select any category find location | | |
| **Result** | | | |
| Success | | | |

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Equivalence Partitioning | |
| **Test Case Number** | | B-32 | |
| **Item(s) to be tested** | | | |
| Test running PALS Android application with location service disabled (Invalid Case) | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| Location service disabled | | | Show location setting dialog to enable location service |
| **Procedural Steps** | | | |
| 1 | Turn off/disable device location service | | |
| 2 | Run the PALS Android application | | |
| 3 | Select any category find location | | |
| **Result** | | | |
| Success | | | |

Radius Relevancy

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| **Tested By:** | | Andi Darmawan | |
| **Test Type** | | Black Box – Boundary Value Analysis | |
| **Test Case Number** | | B-33 | |
| **Item(s) to be tested** | | | |
| Test relevancy of place search results based on the radius selected | | | |
| **Specifications** | | | |
| **Input** | | | **Expected**  **Output/Result** |
| User selected radius (0.3 km, 0.6 km, 0.9 km, 1.2 km, 1.5 km) | | | Display list of place result search within range of user selected radius, if place not found, give message “Place not Found” |
| **Procedural Steps** | | | |
| 1 | Run the PALS Android application | | |
| 3 | Select any category find location (e.g. ATM) | | |
| 4 | Select bank name and radius (0.3 km) | | |
| 5 | Click “Find” button | | |
| 6 | Click backpress button, and repeat step (4) with another radius (0.6 km, 0.9 km, 1.2 km, 1.5 km) | | |
| **Result** | | | |
| Success | | | |