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| Document name | Regression Test Plan for Release 1 |
| Project name | Smart City |
| Reference document | StoryCards\_Smart\_City\_TeamPhoenix.pptx  Release and Sprint Plan complete.docx |
| Created by | Team Phoenix - 63 |
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Regression test plan documenting the features which need to be tested again at the end of Sprint 2

**Story Point 05: Welcome Page**

* Test that user is taken to page when URL is inserted

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S05\_RT1 | a.) The machine should be configured to run the Smart City system  b.) Compatible web browser should be pre-installed before testing (e.g. Chrome) | 1. Run the Smart City project on the home server 2. Open any web browser (preferably Google Chrome or Mozilla Firefox) 3. Enter the URL <http://49.176.104.200/> (or appropriate IP)  in the address bar of the web browser 4. Log in with an administrator account | - User is taken to Smart City landing page were user is prompted to log in or create account | - Taken to welcome page  - All menu buttons are displayed properly | Pass |

* Test that users can login into accounts

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S05\_RT2 | a.) The welcome page is correctly found  b.) User has an account type  c.) Welcome page links work | 1. Users click on login button 2. Account details are inserted | - User is taken to login page  - account is logged in if correct  -account is not logged in if details are incorrect | - Taken to login page  - account is logged in  -no account is logged in when details are incorrect | pass |

* Test logout function

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S05\_RT3 | a.) Account has been logged in  b.) user is taken to account page | 1. Log in with an account 2. Use the logout function found at the top right | - User is logged out of the session  -taken back to the welcome page | -Account is logged out  -redirected to the welcome page | Pass |

**Story Point 2: Account Registration**

* Test that new account can be created

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S02\_RT1 | a.) The machine should be configured to run the Smart City system  b.) Compatible web browser should be pre-installed before testing (e.g. Chrome)  c.) User has navigated the welcome page | 1. Users click on registration button 2. Fill out the forms mandatory fields | - User is taken to registration form  - New account is created if all required fields are acceptable | - Taken to registration page  - New account is created when all fields are complete | Pass |

* Test that mandatory data must be inserted

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S02\_RT2 | a.) The machine should be configured to run the Smart City system  b.) Compatible web browser should be pre-installed before testing (e.g. Chrome)  c.) User has navigated the welcome page | 1. Users click on registration button 2. Fills out none of the required fields | - User is taken to registration form  - No account is created | - Taken to registration page  - No account is made, prompted to fill in missing fields | Pass |

**Story Point 6: Admin Setup**

* Test that admin can login into account

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S06\_RT1 | a.) Smart City system is launched on web browser  b.) Have access to ‘Admin’ user account as below:  - admin  - password123 | 1. Log in with a ‘admin’ account type using the following details: - Username: admin - Password: password123 | - Redirected to the admin page | -Admin account is logged in and taken to admin page | Pass |

* Test that other accounts cannot access admin page

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S06\_RT2 | a.) Smart City system is launched on web browser  b.) Taken to admin log in page | 1. Navigate to admin login page by inserting /admin at end of URL 2. Log in with a generic account type | - Access is denied | -User is denied and prompted to login through normal page | Pass |

**Story Point 12: Account information**

* Test that generic city data is present on all account types

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S12\_RT1 | a.) Smart City system is launched on web browser  b.) Have access to account details of all user types (student, businessman, tourist) | 1. Log in with a general user account 2. Scroll down and check if generic information is present 3. Log out of account 4. Repeat steps 1-3 for other two user types | - Generic data is shown on all pages | -Info is present on all pages | Pass |

**Story Point 13: Map data**

* Test that map function is present

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S13\_RT1 | a.) Smart City system is launched on web browser  b.) Have access to all user type accounts (student, businessman, tourist | 1. Log in with an account 2. Scroll down to city information 3. Click on one of the city information links 4. Return to account page 5. Repeat steps 2-4 until all options are selected 6. Log out of account 7. Perform steps 1-6 until all accounts are tested | - All links work and redirect to map feature | -All city information links redirect to map function | Pass |

* Test that map displays detailed information

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S13\_RT2 | a.) User is logged in with general user account  b.) navigated to account page | 1. Click on a city information link 2. On map page click on a marker | - Given details on each location | -Upon clicking marker more detailed information is displayed | Pass |

**Story Point 9: Data manipulation**

* Test that admin accounts can freely edit map data

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S09\_RT1 | a.) Smart City system is launched on web browser  b.) Have access to ‘Admin’ user account as below:  - admin  - password123 | 1. Log in with a ‘admin’ account type using the following details: - Username: admin - Password: password123 2. From admin page click on click on “Citys” page 3. Click on a city link 4. Change the location link and save changes | - Map data is changed to the new link | -Admin causes the map data to change when link is edited | Pass |

* Test that admin can create new map data

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| Test case ID | Precondition | Steps | Expected result | Actual result | Test status |
| SC\_S09\_RT2 | a.) Smart City system is launched on web browser  b.) Have access to ‘Admin’ user account as below:  - admin  - password123 | 1. Log in with a ‘admin’ account type using the following details: - Username: admin - Password: password123 2. From admin page click on click on “Citys” page 3. Click on add new city link 4. Insert new map data and save | - New map data is added into website | -New map data is created in the website | Pass |