**Test Case Document**

**Product Name: CIRCULUS (Social Networking Web Application)**

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    1. **Check if the login page is displayed when the application loads**

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| Test Case Id: TC\_01 | Test Case Name: Check\_LoginPage\_Display |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S1 | |
| Description: Check if the login page is displayed correctly on the GUI when the application loads. | |
| Pre-condition: The user navigates to the correct URL on the GUI. | |
| Test Data: N/A | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Hit enter. | |
| Expected Result: The desired login page must be displayed. (It must contain 2 fields: to enter user name and password, submit button and new users must have the option to register). | |
| Actual Result: The desired login page must be displayed. | |

* 1. **Check if the registration page is displayed when creating a new account**

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| Test Case Id: TC\_02 | Test Case Name: Check\_RegistrationPage\_Display |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S1 | |
| Description: Check if the registration page is displayed correctly on the GUI when the user clicks on the “[Create an account](http://localhost:8080/springmvclogin/forms/registrationform.html)” link that is available under “SIGN IN”. | |
| Pre-condition: The user is in the registration page on the GUI. | |
| Test Data: N/A | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Click on “[Create an account](http://localhost:8080/springmvclogin/forms/registrationform.html)” link that is available under “SIGN IN”. | |
| Expected Result: The desired registration page must be displayed. (It contains the username, password, confirm password, email biography, select tags fields). | |
| Actual Result: The desired registration page must be displayed. | |

* 1. **Fill the required fields in the Registration Page**

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| Test Case Id: TC\_03 | Test Case Name: Generic\_Form\_Field\_Test |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S3 | |
| Description: The user must fill in the mandatory fields (username, password, confirm password, email biography, select tags) in the registration page while registering. | |
| Pre-condition: The user is in the registration page on the GUI. | |
| Test Data: N/A | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Click on “Create an account” link that is available under “SIGN IN”. 3. The user fills in all the fields including username, password, confirm password, email biography and select tags. | |
| Expected Result:   1. The application throws alert messages stating “Field must be filled” besides the fields that are not filled. 2. The user registers successfully if he/she fills all the necessary fields successfully. | |
| Actual Result: The user registers successfully on filling all the fields successfully. | |

* 1. **Validation of User Name in the Registration Form**

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| Test Case Id: TC\_04 | Test Case Name: Validate\_UserName |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S3 | |
| Description: The user must fill the username correctly as per validation. | |
| Pre-condition: The user is in the registration page on the GUI. | |
| Test Data: N/A | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Click on “Create an account” link that is available under “SIGN IN”. 3. The user fills the correct details as per the validations. | |
| Expected Result:   1. If the user name does not contain alpha-numeric characters, then the application throws an alert message stating “User Name must contain alpha numeric characters”. | |
| Actual Result: The user registers with a valid username. | |

* 1. **Validation of Password in the Registration Page**

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| Test Case Id: TC\_05 | Test Case Name: Validate\_Password |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S3 | |
| Description: The user must fill the password and confirm password fields correctly as per validation. | |
| Pre-condition: The user is in the registration page on the GUI. | |
| Test Data: N/A | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Click on “Create an account” link that is available under “SIGN IN”. 3. The user fills the correct details as per the validations. | |
| Expected Result:  1. If the password is less than 4 or greater than 20 characters, then the application throws an alert message stating “Password must between 4 to 20 characters”   1. If the password and confirm password fields do not match, then the application throws an alert message stating “Password and Confirm Password fields do not match.”. | |
| Actual Result: The user registers with a valid password. | |

* 1. **Validation of E-Mail in the Registration Form**

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| Test Case Id: TC\_06 | Test Case Name: Validate\_E-Mail |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S3 | |
| Description: The user must fill the E-Mail field correctly as per validation. | |
| Pre-condition: The user is in the registration page on the GUI. | |
| Test Data: N/A | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Click on “Create an account” link that is available under “SIGN IN”. 3. The user fills the correct details as per the validations. | |
| Expected Result:   1. If the user does not type the email in the desired format, then the application throws an alert message stating “Not a well-formed E-Mail Address”. | |
| Actual Result: The user registers with a valid e-mail id. | |

* 1. **Show User Homepage after successful log-in.**

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| Test Case Id: TC\_07 | Test Case Name: Show\_HomePage\_Display |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S1 | |
| Description: Check if the user homepage is displayed on the GUI after successful login. | |
| Pre-condition: The user must enter the correct credentials (username and password) to login. | |
| Test Data: Username: venky  Password : venky | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Input the correct credentials (username and password) and click on the “SIGN IN” button. | |
| Expected Result:   1. After successful login, the user home page must be displayed. 2. The home page must contain newsfeed, trending posts, create and view posts, create and view polls, change settings and logout option. | |
| Actual Result: The user logs into his/her profile successfully. | |

* 1. **Invalid Credentials**

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| Test Case Id: TC\_08 | Test Case Name: Check\_Login\_Credentials |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S2 | |
| Description: Check if the login credentials entered are valid (i.e. already registered) | |
| Pre-condition:   1. The user navigates to the login page on the GUI. 2. The user enters his login credentials and hits on submit button. | |
| Test Data: N/A | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Input the credentials (username and password) and click on the “SIGN IN” button. | |
| Expected Results:   1. If the credentials are correct, the user is logged in successfully 2. Else the application throws an alert stating “Invalid Username or Password!! Please try again!!!” | |
| Actual Result: The user cannot log into the application with invalid credentials. | |

* 1. **Select Tags pop up alert**

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| Test Case Id: TC\_09 | Test Case Name: Select\_Tags\_Alert |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S2 | |
| Description: Check if the alert window pops up correctly if no tags are selected. | |
| Pre-condition: The user is in the registration page. | |
| Test Data: N/A | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Click on “Create an account” link that is available under “SIGN IN”. 3. The user forgets to select at least one tag while registering. | |
| Expected Result: If the user forgets to select at least one tag while registering, then an alert window with the below message pops up.  C:\Users\Venkat\Desktop\1.png | |
| Actual Result: The application throws a pop up alert indicating the user to select at least one tag from the list. | |

* 1. **Username already exists**

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| Test Case Id: TC\_10 | Test Case Name: Check\_Existing\_UserName |
| Status(Pass/Fail): PASS | Test Executed by: Venkat Sambandhan |
| Severity: S2 | |
| Description: Check if the user name entered while registering is available or already taken by an existing customer. | |
| Pre-condition: The user is in the registration page. | |
| Test Data: “venky ALREADY EXISTS” | |
| Steps:   1. Type the correct URL in the browser to visit the login page. 2. Click on “Create an account” link that is available under “SIGN IN”. 3. The user fills the registration form and enters an existing user name. | |
| Expected Result:   1. If the username is available, then the user can register successfully. 2. Else if the username is already taken by another existing customer, then the application throws an alert message stating “User Name ALREADY EXITS”. | |
| Actual Result: Duplicate user names are not allowed. The user can only register with the currently available user names. | |