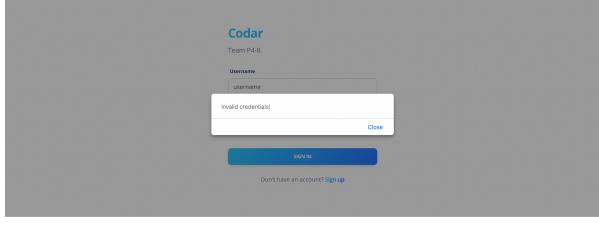
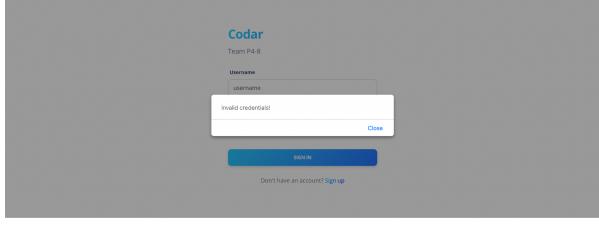
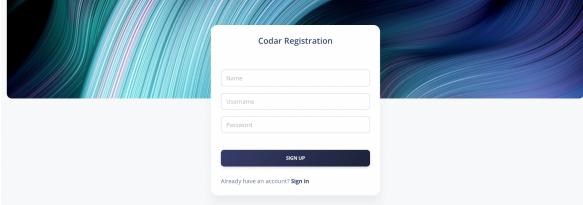
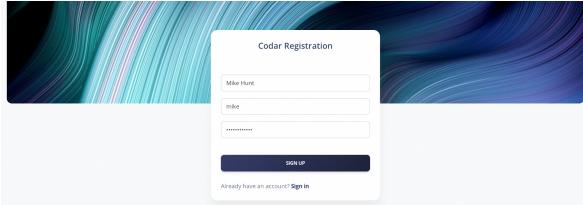
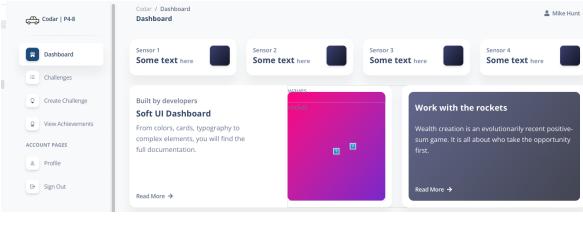
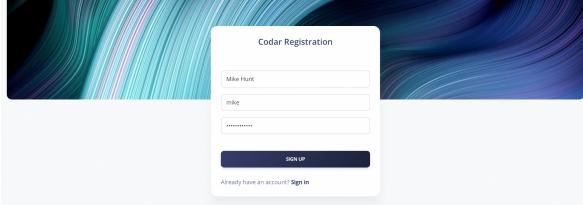
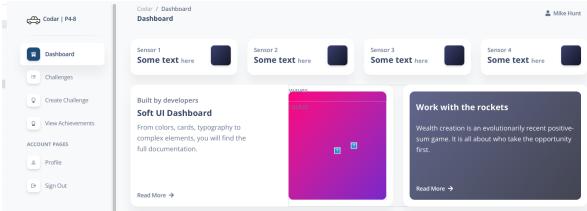


| | |
|------------------|---|
| Test Case ID | ST1 |
| Test Case Name | Open Application |
| Precondition | Browser is already opened |
| Test Steps | <ol style="list-style-type: none"> 1. Type "http://localhost:8000/index.php" into browsers' URL bar 2. Press enter on the keyboard 3. Observe screen |
| Test Data | - |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|---|
| Test Case ID | ST2 |
| Test Case Name | Attempt Invalid Login |
| Precondition | User 'username' does not exist |
| Test Steps | <ol style="list-style-type: none"> 1. Type username into Username input field 2. Type password into Password input field 3. Click on Login button 4. Observe screen |
| Test Data | Username: username Password: password |
| Expected Results |  A screenshot of a login interface. At the top, it says "Cadar Team P4-8". Below that is a "Username" input field containing "username". Underneath the input field is an error message: "invalid credentials!". There is a "Close" button next to the message. Below the message is a blue "Login" button. At the bottom of the screen, there is a link "Don't have an account? Sign up". |
| Actual Results |  A screenshot of a login interface, identical to the expected results. It shows the "Cadar Team P4-8" header, the "username" input field, the "invalid credentials!" error message, the "Login" button, and the "Sign up" link at the bottom. |
| Pass/Fail | Pass |

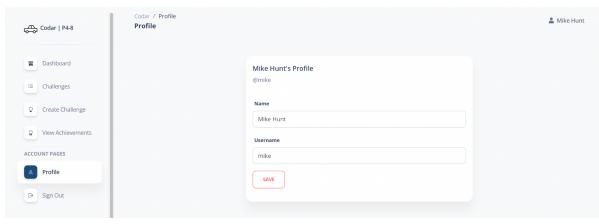
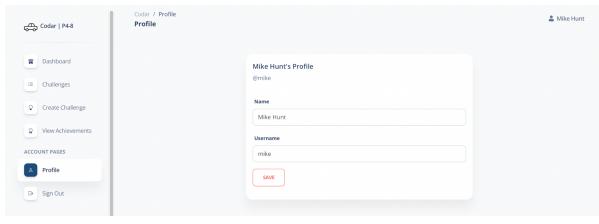
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|------------------|--|
| Test Case ID | ST3 |
| Test Case Name | View Register Page |
| Precondition | User is in login page |
| Test Steps | <ol style="list-style-type: none"> 1. Click on “Don’t have an account? Sign up” button 2. Observe screen |
| Test Data | - |
| Expected Results |  <p>The screenshot shows the 'Cedar Registration' page. It features a dark background with a blue and purple abstract wave pattern. In the center, there is a white rectangular form with the title 'Cedar Registration'. The form contains three input fields: 'Name', 'Username', and 'Password', each with a placeholder text ('Name', 'Username', 'Password'). Below these fields is a large blue 'SIGN UP' button. At the bottom of the form, there is a link 'Already have an account? Sign in'.</p> |
| Actual Results |  <p>The screenshot shows the same 'Cedar Registration' page as the expected results, but it appears slightly darker or less vibrant. The background pattern and the form layout are identical to the expected results.</p> |
| Pass/Fail | Pass |

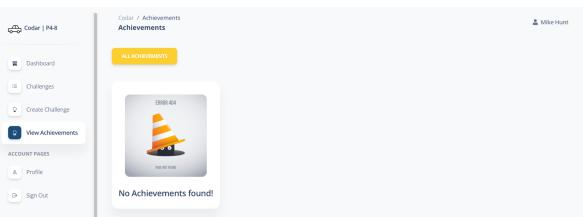
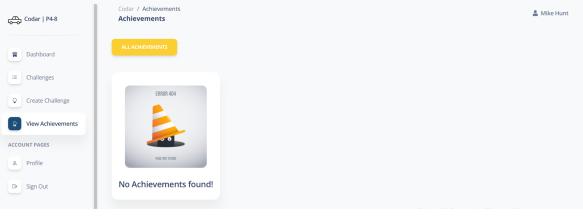
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|------------------|--|
| Test Case ID | ST4 |
| Test Case Name | Attempt Successful Registration |
| Precondition | User is in registration page |
| Test Steps | <ol style="list-style-type: none"> 1. Type name into Name input field 2. Type username into Username input field 3. Type password into Password input field 4. Type password into Re-type Password input field 5. Click on Register button 6. Observe screen 7. Click on Proceed to Login button 8. Observe screen |
| Test Data | <p>Name: Mike Hunt Username: mike Password: P@ssw0rd123</p> |
| Expected Results |   |
| Actual Results |  |

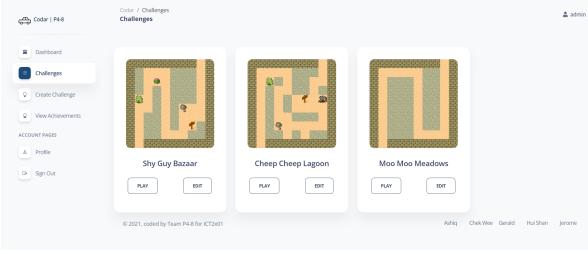
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| |  |
| Pass/Fail | Pass |

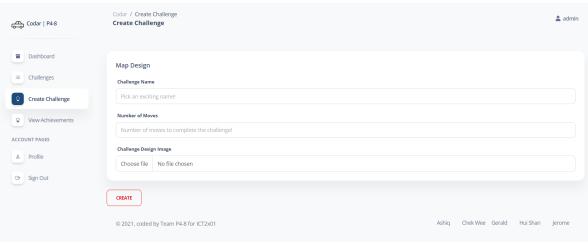
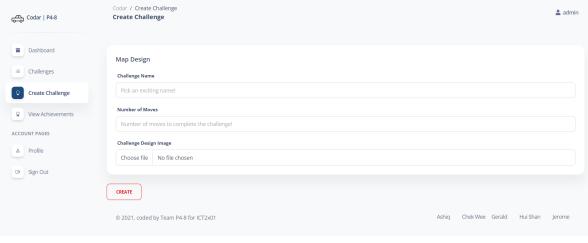
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|------------------|---|
| Test Case ID | ST5 |
| Test Case Name | Attempt Unsuccessful Registration |
| Precondition | User is in registration page |
| Test Steps | <ol style="list-style-type: none"> 1. Type name into Name input field 2. Type username into Username input field 3. Type password into Password input field 4. Type wrong password into Re-type Password input field 5. Click on Register button 6. Observe screen |
| Test Data | Name: Mike Hunt Username: mike Password: P@ssw0rd123 Wrong Password: password |
| Expected Results | <p>The screenshot shows a registration form with a modal dialog box. The dialog box has a title 'Codar Registration' and a message 'Password must be at least 8 characters.' with a 'Close' button. Below the dialog, there are input fields for Name, Username, and Password, and a 'SIGN UP' button. At the bottom of the page, there is a link 'Already have an account? Sign in'.</p> |
| Actual Results | <p>The screenshot is identical to the expected results, showing the same registration form with the same error message displayed in a modal dialog.</p> |
| Pass/Fail | Pass |

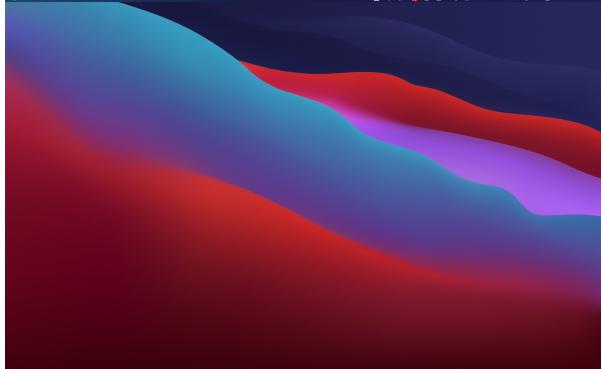
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|------------------|---|
| Test Case ID | ST6 |
| Test Case Name | Attempt Valid Login |
| Precondition | User is in login page User mike exists |
| Test Steps | <ol style="list-style-type: none"> 1. Type username into username input field 2. Type password into password input field 3. Click on Login button 4. Observe screen |
| Test Data | Username: mike Password: P@ssw0rd123 |
| Expected Results | |
| Actual Results | |
| Pass/Fail | Pass |

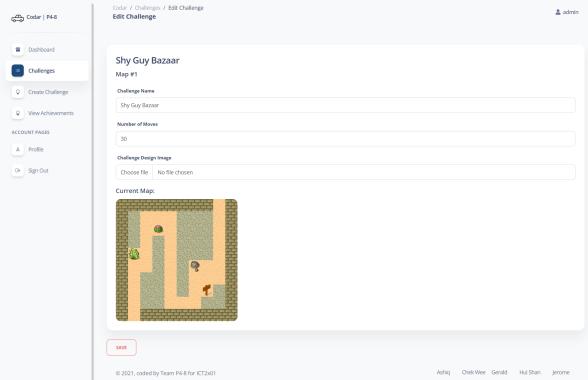
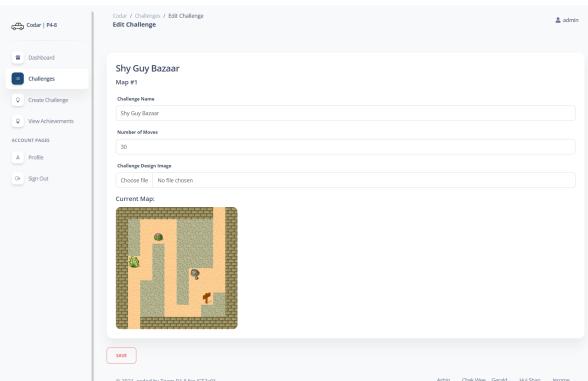
| | |
|------------------|---|
| Test Case ID | ST7 |
| Test Case Name | View Profile Page |
| Precondition | User is logged in User is in dashboard page |
| Test Steps | <ol style="list-style-type: none"> 1. Click on Profile button 2. Observe screen |
| Test Data | - |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

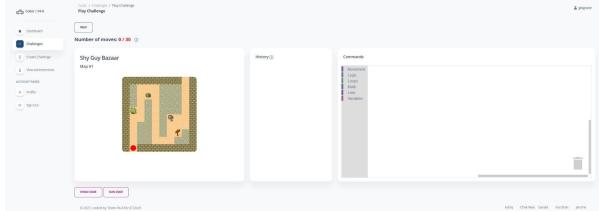
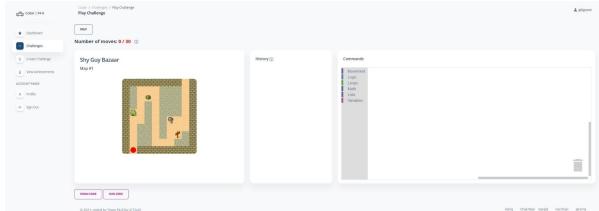
| | |
|------------------|---|
| Test Case ID | ST8 |
| Test Case Name | View Achievement Page |
| Precondition | User is logged in User is in dashboard page |
| Test Steps | <ol style="list-style-type: none"> 1. Click on View Achievements button 2. Observe screen |
| Test Data | - |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|--|
| Test Case ID | ST9 |
| Test Case Name | View Challenges Page |
| Precondition | User is logged in User is in dashboard page Challenge list contains at least one challenge |
| Test Steps | 1. Click on Challenges button 2. Observe screen |
| Test Data | - Nil |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

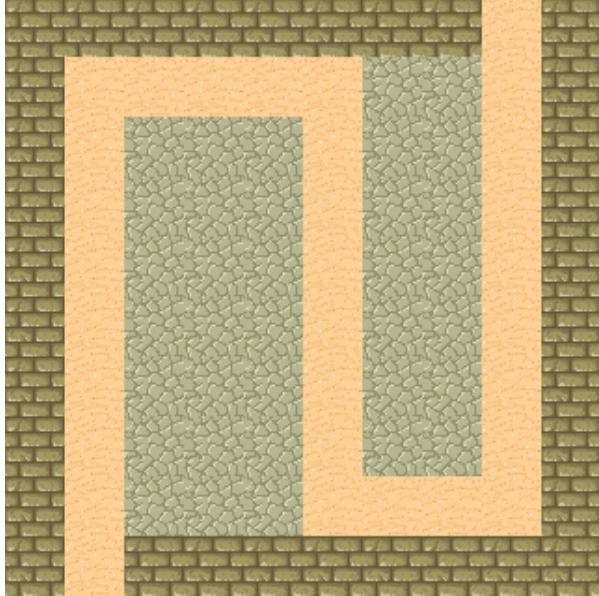
| | |
|------------------|--|
| Test Case ID | ST10 |
| Test Case Name | View Create Challenge Page |
| Precondition | User is logged in User is in dashboard page |
| Test Steps | <ol style="list-style-type: none"> 1. Click on Create Challenge button 2. Observe screen |
| Test Data | - Nil |
| Expected Results |  <p>The screenshot shows the 'Create Challenge' form on a website. The URL is 'Code P4B / Create Challenge'. The form has three main sections: 'Challenge Name' (with a placeholder 'Pick an existing name'), 'Number of Moves' (with a placeholder 'Number of moves to complete the challenge'), and 'Challenge Design Image' (with a placeholder 'Choose file No file chosen'). A 'CREATE' button is at the bottom.</p> |
| Actual Results |  <p>The screenshot shows the 'Create Challenge' form on a website. The URL is 'Code P4B / Create Challenge'. The form has three main sections: 'Challenge Name' (with a placeholder 'Pick an existing name'), 'Number of Moves' (with a placeholder 'Number of moves to complete the challenge'), and 'Challenge Design Image' (with a placeholder 'Choose file No file chosen'). A 'CREATE' button is at the bottom.</p> |
| Pass/Fail | Pass |

| | |
|------------------|---|
| Test Case ID | ST11 |
| Test Case Name | Close Application from Dashboard |
| Precondition | User is logged in User is in dashboard page |
| Test Steps | <ol style="list-style-type: none"> 1. Click on “X” of browser 2. Observe screen |
| Test Data | - Nil |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|---|
| Test Case ID | ST12 |
| Test Case Name | View Edit Challenge Page |
| Precondition | User is logged in User is in challenges page Challenge list contains at least one challenge |
| Test Steps | <ol style="list-style-type: none"> 1. Click on Edit button of the first challenge 2. Observe screen |
| Test Data | - Nil |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|---|
| Test Case ID | ST13 |
| Test Case Name | Attempt to Play Challenge |
| Precondition | User is logged in Challenge list contains at least one challenge User is in challenges page |
| Test Steps | 1. Click on Play button of first challenge 2. Observe screen |
| Test Data | - |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|--|
| Test Case ID | ST14 |
| Test Case Name | Attempt to Save An Invalid Edit of Challenge |
| Precondition | User is logged in Challenge list contains at least one challenge User is in edit challenge page |
| Test Steps | <ol style="list-style-type: none"> 1. Edit moves to “351” 2. Click on “Save” button 3. Observe screen |
| Test Data | - |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

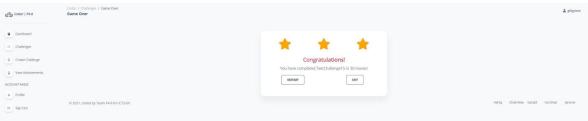
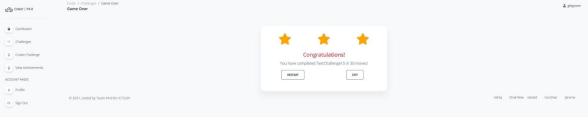
| | |
|------------------|---|
| Test Case ID | ST15 |
| Test Case Name | Attempt to Save A Valid Edit of Challenge |
| Precondition | User is logged in Challenge list contains at least one challenge User is in edit challenge page |
| Test Steps | <ol style="list-style-type: none"> 1. Enter challenge name as given into 'Challenge Name' input field 2. Enter number of moves as given into 'Number of Moves' input field 3. Enter map design as given into Map input field 4. Click on "Save" button 5. Observe screen |
| Test Data | <p>Map Design:</p>  <p>Challenge Name: TestChallenge15 Number of Moves: 50</p> |
| Expected Results |  |

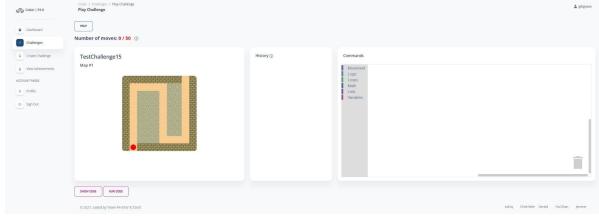
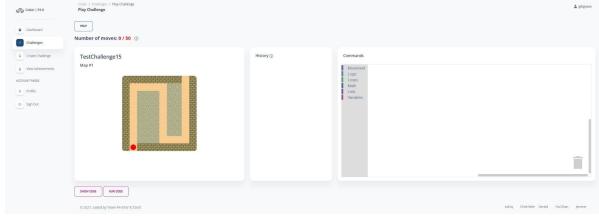
Actual Results

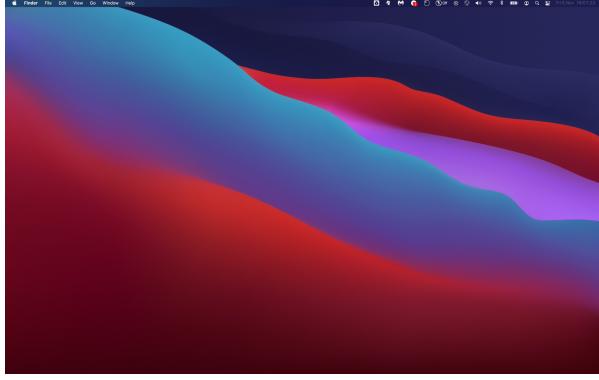
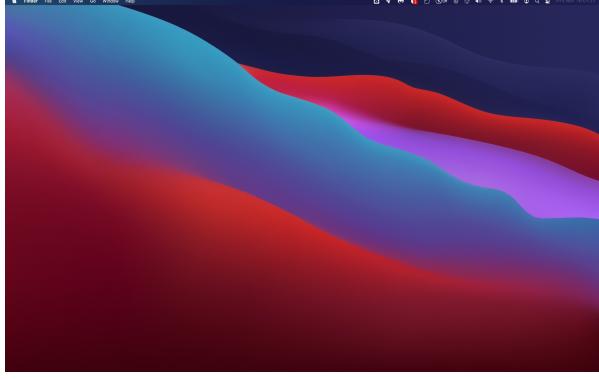


Pass/Fail

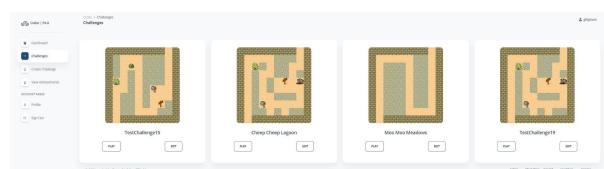
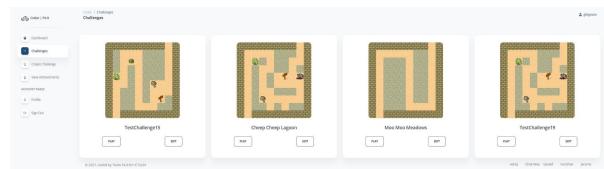
Pass

| | |
|------------------|---|
| Test Case ID | ST16 |
| Test Case Name | View Game Over Message |
| Precondition | User is logged in Challenge list contains challenge #1 User is in play challenge page |
| Test Steps | <ol style="list-style-type: none"> 1. Enter the solution into Solution input field 2. Click on “Send” button 3. Observe screen |
| Test Data | <p>Solution:</p> <p>Move Up x 8 Turn Right x 4 Move Down x 7 Turn Right x 3 Move Up x 8</p> |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|---|
| Test Case ID | ST17 |
| Test Case Name | Attempt to Restart Challenge |
| Precondition | User is logged in User is in play challenge page User is in game over screen |
| Test Steps | 1. Click on “Restart” button 2. Observe screen |
| Test Data | - |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|--|
| Test Case ID | ST18 |
| Test Case Name | Close Application from Game Over Screen |
| Precondition | User is logged in User is in play challenge page User is in game over screen |
| Test Steps | 1. Click on “Quit” button 2. Observe screen |
| Test Data | - |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|---|
| Test Case ID | ST19 |
| Test Case Name | Attempt to Create Invalid Challenge |
| Precondition | User is logged in User is in create challenge page |
| Test Steps | <ol style="list-style-type: none"> 1. Enter challenge name as given into ‘Challenge Name’ input field 2. Leave ‘Numbers of Moves’ input field as blank 3. Enter map design as given into Map input field 4. Click on “Create” button 5. Observe screen |
| Test Data | <p>Map Design:</p>  <p>Challenge Name: TestChallenge19</p> |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |

| | |
|------------------|---|
| Test Case ID | ST20 |
| Test Case Name | Attempt to Create Valid Challenge |
| Precondition | User is logged in User is in create challenge page |
| Test Steps | <ol style="list-style-type: none"> 1. Enter challenge name as given into ‘Challenge Name’ input field 2. Enter number of moves as given into ‘Number of Moves’ input field 3. Enter map design as given into Map input field 4. Click on “Create” button 5. Observe screen |
| Test Data | <p>Map Design:</p>  <p>Challenge Name: TestChallenge19 Number of Moves: 40</p> |
| Expected Results |  |
| Actual Results |  |
| Pass/Fail | Pass |