|  |  |  |  |
| --- | --- | --- | --- |
| **Test No.** | **Test Description** | **Test Values** | **Outcome** |
| 1 | Verify launching Eportfolio site | Web Browser:  localhost:8000/projects | Webpage Launched with 3 projects shown  **Pass** |
| 2 | Verify launching Eportfolio site | Web Browser:  localhost:8000 | Page Not Found  Pass |
| 3 | Verify viewing resume Page | Web Browser:  Localhost:8000/projects/resume  Find Element ‘Experience’ to verify experience section is there | Element was found and webpage was loaded  Pass |
| 4 | Verify viewing Self Intro page | Web Browser:  Localhost:8000/projects/resume | Webpage did load  Pass |

**Rayner’s Eportfolio Test Cases Document**

General

Homepage (Index)

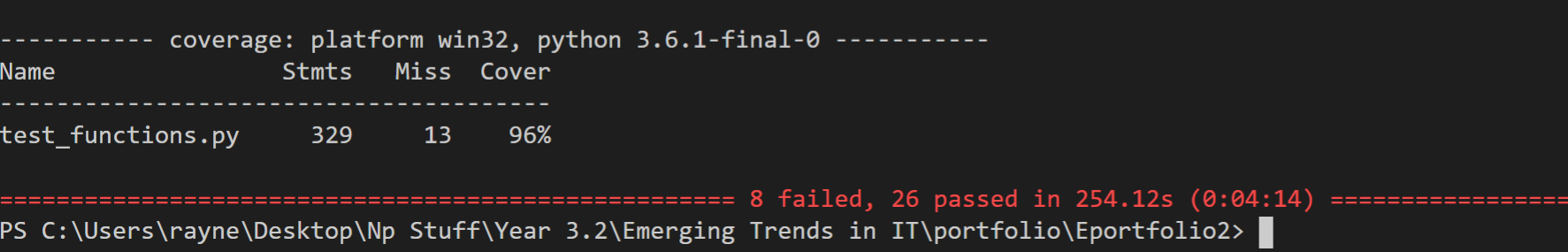
|  |  |  |  |
| --- | --- | --- | --- |
| **Test No.** | **Test Description** | **Test Values** | **Outcome** |
| 1 | Rendering of Homepage in web browser | project\_index(localhost:8000/projects) | Failed cause of Django Error  Refer to justification  Failed |
| 2 | Rendering of Specific project page in web browser is 4 | project\_detail(localhost:8000/projects,4) | Failed cause of Django Error  Refer to justification  Failed |
| 3 | Rendering of specific project page in web browser if public key is 0 | project\_detail(localhost:8000/projects,0) | Failed cause of Django Error  Refer to justification  Failed |
| 4 | Rendering of specific project in web browser | project\_detail(localhost:8000/projects,2) | Failed cause of Django Error  Refer to justification  Failed |
| 5 | Read more functionality of project and page should be redirected to project details | Click on ‘Read More’ button of a project | Read More button able to be clicked and page redirected. Pass |
| 6 | Test if Eportfolio Header redirects back to homepage when clicked | Click on ‘Eportfolio’ header | Header is clickable and redirects back to homepage. Pass |
| 7 | Test Read more button when spam click 5 times. | Click Read more button 5 times | App didn’t crash and it just redirected to projects page Pass |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test No.** | **Test Description** | **Test Values** | **Outcome** |
| 1 | View all posts on blog | Navigate to ‘localhost:8000/blog’ | Blog page launched  Pass |
| 2 | View the full post as well as comments and a form with valid public key | blog\_detail(localhost:8000/blog,1) | Failed cause of Django Error  Refer to justification  Failed |
| 3 | View full post as well as comments and a form with invalid public key | blog\_detail(localhost:8000/blog,-1) | Failed cause of Django Error  Refer to justification  Failed |
| 4 | View posts of specific category | Navigate to ‘localhost:8000/blog/python’ | Blog page launched with category page  **Pass** |
| 5 | View Post a comment form on blog | ‘localhost:8000/blog’  Click ‘on a blog’ | View post web page successfully launched  Pass |
| 6 | Test add new comment with empty fields | Name:  Leave a comment: | Comment was still able to post, no error message. However at blog page you cant see the comment ot even an empty string.  Pass |
| 7 | Test the max number of words ‘Leave a comment’ field can have | Name: TestMaxNumWords  Leave a comment: (1000 Words essay) | No max words limit comment was still able to post  Pass |
| 8 | Test if ‘vulgarities’ can be written in comments | Name: Rayner  Leave a comment: This blog is shit | Post successful  Pass |
| 9 | Test if non alphabet characters can be written in the fields | Name: #$718/  Leave a comment:  🤑😲 | Emoji can’t be tested and showed error  Failed |
| 10 | Verify valid input  (assuming valid means a normal name like ‘John’ and the type of comments usually posted online) | Name: John  Leave a comment: Wow, I heard React is a good framework for developing web applications. It is far better than Django. Anyways awesome project! | Post Successful  Pass |
| 11 | Verify if program wil crash if submit button is clicked twice | Name: Felix  Leave a comment: Awesome!  Click submit twice | Program did not crash but the same comment was posted twice  Pass |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test No.** | **Test Description** | **Test Values** | **Outcome** |
| 1 | Test rendering of admin page | localhost:8000/admin | Admin page loaded successfully  Pass |
| 2 | Verify login functionality with valid username & pass | Username: rayne  Password: t0034426a  Click Login / Hit Enter | Account login successful and redirect  Pass |
| 3 | Verify login functionality with empty username & pass | Username:  Password:  Click Login / Hit Enter | Program did not crash when empty fields were input  Pass |
| 4 | Verify login functionality with Chinese characters | Username: 陈健文  Password: t0034426a  Click Login / Hit Enter | Program did not crash when Chinese chars were input  Pass |
| 5 | Verify login functionality with Invalid username & pass | Username: hey12345  Password: peekaboo  Click Login / Hit Enter | App displayed invalid details. Please try again and didn’t crash  Pass |
| 6 | Verify login with emoji | Username = "😍"  Password = "😅" | Emojis can’t be tested in Selenium  Failed |
| 7 | Verify launch of adding new Group functionality page | Click New Group Button  Find New Group button by Xpath | Add New Group page launched  Pass |
| 8 | Verify launch of adding new User functionality page | Click New User Group button  Find New User Group by xpath | Add New User page Launch success  Pass |
| 9 | Verify adding new Group | Group Name: TestGroup1  Check all permissions | Test Group successfully created  Pass |
|  | Verify adding duplicate User | Username: rayne  Password: t0034426a  Confirm Password: t0034426a | Error Message of Duplicate username not allowed shown  Pass |
| 10 | Verify adding new user  With username and without password | Username: rayne  Password:  Confirm Password: | Field is required error message shown  Pass |
| 11 | Viewing list of valid usernames and password | Click on Users at Django admin | List of Users shown  Pass |

Django Admin

**Justification**



26 Test cases passed and 8 failed. The 8 failed test cases are justified below. Unfortunately, testing such as latency/ load testing could not be done with selenium.

**Test Case 19**

**Results:** Failed

**Reason of Failure**: I tried testing inputting Emojis but Selenium couldn’t accept it as input.

**Error Message:**

selenium.common.exceptions.WebDriverException: Message: unknown error: ChromeDriver only supports characters in the BMP

E(Session info: chrome=78.0.3904.108)

**Test Case 26**

**Results:** Failed

**Reason of Failure**: Selenium couldn’t accept it as input.

**Error Message:**

selenium.common.exceptions.WebDriverException: Message: unknown error: ChromeDriver only supports characters in the BMP

E(Session info: chrome=78.0.3904.108)

**Test Case 5**

**Results:** Failed

**Reason of Failure**: Environment error. Spent 1 day searching for solution. Seen a video an Indian guy on youtube trying to fix the error but to no avail.

**Error Message:**

% (desc, ENVIRONMENT\_VARIABLE))

E django.core.exceptions.ImproperlyConfigured: Requested setting INSTALLED\_APPS, but settings are not configured. You must either define the environment variable DJANGO\_SETTINGS\_MODULE or call settings.configure() before accessing settings.

**Test Case 6**

**Results:** Failed

**Reason of Failure**: Environment error. Spent 1 day searching for solution. Seen a video an Indian guy on youtube trying to fix the error but to no avail.

**Error Message:**

% (desc, ENVIRONMENT\_VARIABLE))

E django.core.exceptions.ImproperlyConfigured: Requested setting INSTALLED\_APPS, but settings are not configured. You must either define the environment variable DJANGO\_SETTINGS\_MODULE or call settings.configure() before accessing settings.

**Test Case 7**

**Results:** Failed

**Reason of Failure**: Environment error. Spent 1 day searching for solution. Seen a video an Indian guy on youtube trying to fix the error but to no avail.

**Error Message:**

% (desc, ENVIRONMENT\_VARIABLE))

E django.core.exceptions.ImproperlyConfigured: Requested setting INSTALLED\_APPS, but settings are not configured. You must either define the environment variable DJANGO\_SETTINGS\_MODULE or call settings.configure() before accessing settings.

**Test Case 8**

**Results:** Failed

**Reason of Failure**: Environment error. Spent 1 day searching for solution. Seen a video an Indian guy on youtube trying to fix the error but to no avail.

**Error Message:**

% (desc, ENVIRONMENT\_VARIABLE))

E django.core.exceptions.ImproperlyConfigured: Requested setting INSTALLED\_APPS, but settings are not configured. You must either define the environment variable DJANGO\_SETTINGS\_MODULE or call settings.configure() before accessing settings.

**Test Case 12**

**Results:** Failed

**Reason of Failure**: Environment error. Spent 1 day searching for solution. Seen a video an Indian guy on youtube trying to fix the error but to no avail.

**Error Message:**

% (desc, ENVIRONMENT\_VARIABLE))

E django.core.exceptions.ImproperlyConfigured: Requested setting INSTALLED\_APPS, but settings are not configured. You must either define the environment variable DJANGO\_SETTINGS\_MODULE or call settings.configure() before accessing settings.

**Test Case 13**

**Results:** Failed

**Reason of Failure**: Environment error. Spent 1 day searching for solution. Seen a video an Indian guy on youtube trying to fix the error but to no avail.

**Error Message:**

% (desc, ENVIRONMENT\_VARIABLE))

E django.core.exceptions.ImproperlyConfigured: Requested setting INSTALLED\_APPS, but settings are not configured. You must either define the environment variable DJANGO\_SETTINGS\_MODULE or call settings.configure() before accessing settings.