Test cases

1.LogIn Module

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| Test ID | Test Case Name | Description | Expected Output | Actual Output | Status |
| 1 | Valid Credentials | Testing with valid email and password combination. | Successful login and redirection to the page. | Successful login and redirection to the page. | PASS |
| 2 | Empty Fields | Testing when email and password fields are left empty. | Display an error message for required fields. | Display an error message for required fields. | PASS |
| 3 | Empty Password | Testing when the password field is left empty. | Display an error message for required password. | Display an error message for required password. | PASS |
| 4 | Empty Email | Testing when the email field is left empty. | Display an error message for required email. | Display an error message for required email. | PASS |
| 5 | Invalid Email | Testing with an email format that is missing the "@" symbol. | Display an error message for invalid email. | Display an error message for invalid email. | PASS |
| 6 | Unregistered Email | Testing with a valid email format but an unregistered email address. | Display an error message for unregistered email. | Display an error message for unregistered email. | PASS |
| 7 | Incorrect Password | Testing with a valid email format but an incorrect password. | Display an error message for incorrect password. | Display an error message for incorrect password. | PASS |
| 8 | Maximum Length | Testing with email and password exceeding the maximum allowed length. | Display an error message for input length | Display an error message for input length | PASS |
| 9 | Sign Up Button | Clicking the "Sign Up" button should redirect to the signup page. | Redirect to the signup page. | Redirect to the signup page. | PASS |
| 10 | Cancel Button | Clicking the "Cancel" button should redirect to the home page. | Redirect to the home page. | Redirect to the home page. | PASS |

2.SignIn Module

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| Test Id | Test Case Name | Description | Expected Output | Actual Output | Status |
| 1 | Empty Email Field | Test if the email field is left empty | Display error message "Email is required" | Display error message "Email is required" | PASS |
| 2 | Invalid Email Format | Test with an invalid email format | Display error message "Invalid email format" | Display error message "Invalid email format" | PASS |
| 3 | Empty Password Field | Test if the password field is left empty | Display error message "Password is required" | Display error message "Password is required" | PASS |
| 4 | Password Length | Test with a password shorter than 5 characters | Display error message "Password is too short" | Display error message "Password is too short" | PASS |
| 5 | Empty Confirm Password | Test if the confirm password field is left empty | Display error message "Confirm password is required" | Display error message "Confirm password is required" | PASS |
| 6 | Password Mismatch | Test with password and confirm password fields mismatch | Display error message "Passwords do not match" | Display error message "Passwords do not match" | PASS |
| 7 | Empty Phone Number | Test if the phone number field is left empty | Display error message "Phone number is required" | Display error message "Phone number is required" | PASS |
| 8 | Invalid Phone Number | Test with an invalid phone number format | Display error message "Invalid phone number format" | Display error message "Invalid phone number format" | PASS |
| 9 | Sign Up Button | Test for successful sign in | Redirect to “get started” page | Redirect to the “get started” page. | PASS |
| 10 | Cancel  Button | Test for unsuccessful sign in | Redirect to the home page. | Redirect to the home page. | PASS |

3.Percentile Module

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| Test Id | Test Case Name | Description | Expected Output | Actual Output | Status |
| 1 | Valid Input Category | Fill in valid percentile and select a category | Form submission is successful | Form submission is successful | PASS |
| 2 | Empty Percentile | Leave percentile field empty | Form submission fails (required field) | Form submission fails (required field) | PASS |
| 3 | Invalid Percentile | Enter invalid percentile (non-numeric value) | Form submission fails (required field) | Form submission fails (required field) | PASS |
| 4 | Missing Category | Fill in valid percentile and select "Select Category" | Form submission fails (required field) | Form submission fails (required field) | PASS |
| 5 | Missing Category | Fill in valid percentile and select a category | Form submission fails (required field) | Form submission fails (required field) | PASS |
| 6 | Valid Input Category and Invalid Percentile | Fill in valid percentile and select a category | Form submission is successful and redirect to college list page | Form submission is successful | PASS |
| 7 | Valid Input Category and Missing Category | Fill in valid percentile and select a category | Form submission is unsuccessful | Form submission is unsuccessful | PASS |
| 8 | Valid Input Category | Fill in valid percentile and select a category | Form submission is successful and redirect to college list page | Form submission is successful and redirect to college list page | PASS |
| 9 | Valid Input Category | Fill in valid percentile and select a category | Form submission is successful and redirect to college list page | Form submission is successful and redirect to college list page | PASS |
| 10 | Valid Input Category | Fill in valid percentile and select a category | Form submission is successful and redirect to college list page | Form submission is successful and redirect to college list page | PASS |