Sign Up

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| --- | --- | --- | --- | --- | --- |
| Input Element | Type | Value Specification | Valid | Invalid | Exceptional Cases |
| Name | String | Alphabetical letters only | Satisfies value specification | Numerical values or special characters used | Empty string |
| Email | String | Any alphanumerical sequence followed by an @. Followed by another sequence of alphanumerical values and then .com | Satisfies value specification | Special characters used other than @ and . | Empty string |
| Password | String | Any characters of length greater than or equal to 8 | Satisfies value specification | Length of password not greater than or equal to 8 | Empty string |
| Retyped Password | String | Matches password exactly | Satisfies value specification | Does not match password | Empty string |

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| --- | --- | --- | --- | --- | --- |
| Test Case | Name | Email | Password | Retyped Password | Expected Outcome |
| 1 | Valid | Valid | Valid | Valid | Show Success Message |
| 2 | Valid | Valid | Valid | Invalid | Show Error Message |
| 3 | Valid | Valid | Invalid | Valid | Show Error Message |
| 4 | Valid | Invalid | Valid | Valid | Show Error Message |
| 5 | Invalid | Valid | Valid | Valid | Show Error Message |
| 6 | Valid | Valid | Valid | Exception | Show Error Message |
| 7 | Valid | Valid | Exception | Valid | Show Error Message |
| 8 | Valid | Exception | Valid | Valid | Show Error Message |
| 9 | Exception | Valid | Valid | Valid | Show Error Message |

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| --- | --- | --- | --- | --- | --- |
| Test Case | Name | Email | Password | Retyped Password | Expected Result |
| 1 | John | Johnemail11@gmail.com | SuperBot123 | SuperBot123 | Show Success Message |
| 2 | John | Johnemail11@gmail.com | SuperBot123 | Efkeo | Show Error Message |
| 3 | John | Johnemail11@gmail.com | Efkeo | Efkeo | Show Error Message |
| 4 | John | !2141.>@yahoo.c.com | SuperBot123 | SuperBot123 | Show Error Message |
| 5 | !23Po | Johnemail11@gmail.com | SuperBot123 | SuperBot123 | Show Error Message |
| 6 | John | Johnemail11@gmail.com | SuperBot123 |  | Show Error Message |
| 7 | John | Johnemail11@gmail.com |  |  | Show Error Message |
| 8 | John |  | SuperBot123 | SuperBot123 | Show Error Message |
| 9 |  | Johnemail11@gmail.com | SuperBot123 | SuperBot123 | Show Error Message |

Log In

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Input Element | Type | Value Specification | Valid | Invalid | Exceptional Cases |
| Email | string | Any alphanumerical sequence followed by an @. Followed by another sequence of alphanumerical values and then .com. Matches an email in database | Satisfies value specification | Special characters used other than @ and . | Empty string |
| Password | string | Any characters of length greater than or equal to 8. Matches password based off email given. | Satisfies value specification | Length of password not greater than or equal to 8. Doesn’t match password in database | Empty string |

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| --- | --- | --- | --- |
| Test Case | Email | Password | Expected Outcome |
| 1 | Valid | Valid | Log user in, redirect to search page |
| 2 | Valid | Invalid | Show Error Message |
| 3 | Invalid | Valid | Show Error Message |
| 4 | Exception | Valid | Show Error Message |
| 5 | Valid | Exception | Show Error Message |

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Email | Password | Expected Result |
| 1 | Johnemail11@gmail.com | SuperBot123 | Log user in, redirect to search page |
| 2 | Johnemail11@gmail.com | wrong | Show Error Message |
| 3 | notanemail@12#1/.com | SuperBot123 | Show Error Message |
| 4 |  | SuperBot123 | Show Error Message |
| 5 | Johnemail11@gmail.com |  | Show Error Message |