

1. Equivalence Partitioning

Parameter	No	Equivalence classes	Example	Expected results
Name	Class 1	Equal or more than 5 to equal or more 50 characters and only letters or special characters (,.'-)) are used	James-Ellis	Accepted
	Class 2	Less than 5 characters	Ivy	Do not accepted
	Class 3	More than 50 characters	Qwertyuiopasdfghjkl;zx Cvbnmqwertyuiopasdfghj klzxcvbnmasdfgh	Do not accepted
	Class 4	Equal or more than 5 to equal or more 50 characters and not letters or not special characters (,.'-)) are used	James+Ellis	Do not accepted

Test case

Numeration	Title	Steps	Expected results	Priority
TC1	5 to 50 characters and only letters or special characters (,.'-))	1. Click Name box 2. Enter username as James-Ellis	As correct format entered green border line will occur and accepted	Medium
TC2	Less than 5 characters	1. Click Name box 2. Enter username as Ivy	As wrong format entered red border line will occur and do not accepted	Medium
TC3	Not special characters or/and not a letter	1. Click Name box 2. Enter username as James+??Ellis	As numbers are used(incorrect format) red border line will occur	Medium

2. Boundary Value Analysis

7<=Password<=21

Parameter	Value (both lowercase and uppercase are mandatory)	Expected result
Password	6	Do not accepted
	7	Accepted
	8	Accepted

	20	Accepted
	21	Accepted
	22	Do not accepted

Test case

Numeration	Title	Steps	Expected results	Priority
TC1	Number of characters is 6	<ol style="list-style-type: none"> 1. Click Password box 2. Enter exact 6 characters 3. Click create an account button 	As it is less than 7 red border line will appear and system will show message about invalid data	High
TC2	Number of characters is 7	<ol style="list-style-type: none"> 1. Click Password box 2. Enter exact 7 characters 3. Click create an account button 	As it is valid system will accept the password	High
TC3	Number of characters is 22	<ol style="list-style-type: none"> 1. Click Password box 2. Enter exact 22 characters 3. Click create an account button 	As it is more than 21 red border line will appear and system will show message about invalid data	High

3. Pairwise Testing

No	Email	Password	Name	Surname	Confirm password
1	Valid	Valid	Valid	Valid	Valid
2	Valid	Invalid	Valid	Valid	Invalid
3	Invalid	Valid	Invalid	Valid	Valid
4	Invalid	Invalid	Invalid	Valid	Invalid

Test case

Numeration	Title	Steps	Expected results	Priority
TC1	Valid characters for all	<ol style="list-style-type: none"> 1. User entered 	As all inputs are valid, a	High

	registration fields	valid name in box 2. User entered valid surname in box 3. User entered valid email in box 4. User entered valid password in box 5. User confirmed valid password in box 6. Click create an account button	confirmation email sent.	
TC2	Valid characters for all registration fields except the password and confirm password fields	1. User entered valid name in box 2. User entered valid surname in box 3. User entered valid email in box 4. User entered <i>invalid</i> password in box 5. User confirmed <i>invalid</i>	As password inputs are invalid, when user click on create an account button the error message "Invalid password. Please, try again." will appear. Note: a confirmation email cannot be sent.	High

		password in box 6. Click create an account button		
TC3	Valid characters for all registration fields except the email field	1. User entered valid name in box 2. User entered valid surname in box 3. User entered <i>invalid</i> email in box 4. User entered invalid password in box 5. User confirmed invalid password in box 6. Click create an account button	As email input is invalid, when user click on create an account button the error message will appear. Note: a confirmation email cannot be sent.	High

4. Decision Table

Condition	1	2	3	4	5	6	7	8
Create an account (pressed/do not pressed)	p	p	p	p	d	d	d	d
A confirmation email is sent (yes/no)	y	y	n	n	y	y	n	n
User confirmed an email (yes/no)	y	n	y	n	y	n	y	n
Action								
Registered(yes/no)	y	n	n	n	n	n	n	n

Test case

Numeration	Title	Steps	Expected results	Priority
TC1	All steps done	<ol style="list-style-type: none"> 1. Create an account button pressed 2. A confirmation email is sent 3. Popup is appear 4. Email is confirmed 5. Popup is closed 	As a result an account is registered	High
TC2	User does not confirmed an email	<ol style="list-style-type: none"> 1. Create an account button pressed 2. A confirmation email is sent 3. Popup is appear 4. Email is not confirmed 5. Popup is still open 	As user does not confirm the an email an account will not register	High
TC3	User does not press create an account button but confirmation email is sent	<ol style="list-style-type: none"> 1. Create an account button is not pressed 2. A confirmation email is sent 3. Popup is appear 4. Email is confirmed 5. Popup is closed 	Even user confirmed an email, an account will not register. Note: bug in code (confirmation email is sent even create an account is not pressed)	High