

Testing
TeachShare
Team TeachBears
July 25, 2017

Create an account

A valid username: A unique, >1 character string

- 1.1 valid username
- 1.2 non-unique otherwise valid username
- 1.3 invalid username

A valid email: of the form a@b.c

- 2.1 valid email
- 2.2 invalid email

A valid password: >1 character string that matches confirm password

- 3.1 valid password
- 3.2 non matching password
- 3.3 invalid matching password

Outputs:

Success - the user is registered and is redirected to the dashboard

Failure - the user is not registered and is given an appropriate error message

Equivalence Class Combinations	Test Input	Expected Output	Pass/fail
1.1 2.1 3.1	user1, a@x.com, password, password	Success	Pass
1.1 2.1 3.2	User2, b@x.com, password, PASSWORD	Failure	Pass
1.1 2.1 3.3	User3, c@x.com, "", ""	Failure	Pass
1.1 2.2 3.1	User4, @x.com, password, password	Failure	Pass

1.1 2.2 3.2	User5, d@, foo, bar	Failure	Pass
1.1 2.2 3.3	User6, A@b, "", ""	Failure	Pass
1.2 2.1 3.1	user7, a@x.com, password, password	Failure	Fail (exception thrown)
1.2 2.1 3.2	User8, b@x.com, password, PASSWORD	Failure	Fail (exception thrown)
1.2 2.1 3.3	User9, c@x.com, "", ""	Failure	Fail (Exception thrown)
1.2 2.2 3.1	User10, @x.com, password, password	Failure	Fail(Exception thrown)
1.2 2.2 3.2	User11, d@, foo, bar	Failure	Fail (Exception thrown)
1.2 2.2 3.3	User12, A@b, "", ""	Failure	Fail (Exception thrown)
1.3 2.1 3.1	"", a@x.com, password, password	Failure	Pass
1.3 2.1 3.2	"", b@x.com, password, PASSWORD	Failure	Pass
1.3 2.1 3.3	"", c@x.com, "", ""	Failure	Pass
1.3 2.2 3.1	"", @x.com, password, password	Failure	Pass
1.3 2.2 3.2	"", d@, foo, bar	Failure	Pass
1.3 2.2 3.3	"", A@b, "", ""	Failure	Pass

Sign into an account

1.1 previously registered username

1.2 not previously registered username

2.1 password associated with the previously registered username

2.2 password not associated with the previously registered username

In test input, assume that in the database only one user is registered with username “buddy” and password “boston”.

Equivalence Class Combinations	Test Input	Expected Output	Pass/fail
1.1 x 2.1	buddy, boston	Login Success	Pass
1.1 x 2.2	buddy, frenchie	Login Failure	Pass
1.2 x 2.2	pickle, boston	Login Failure	Pass

Combination 1.2 x 2.1 does not exist because, if a user name does not exist, it inherently does not have an associated password.

Create a post

A valid Title: any character max length <=100

1.1 valid title

1.2 invalid title

A valid Description: any character max length <=100

2.1 valid description

2.2 invalid description

A valid Tags: any character at any length

3.1 valid tag

Equivalence Class Combinations	Test Input	Expected Output	Pass/fail
1.1 2.1 3.1	aTitle, aDescription, aTag	Post is added to dashboard	Pass
1.1 2.2 3.1	“” , “” , “”	“A title and description for post are required!”	Pass
1.2 2.1 3.1	“” , Description, “”	“A title and description for post are required!”	Pass
1.2 2.2 3.1	“” , “” , “math, easy subject, fun”	“A title and description for post are required!”	Pass

Search from dashboard

A valid search string: a search string with any characters at any length

1.1 Valid search input

Equivalence Class Combinations	Test Input	Expected Output	Pass/fail
1.1	"music"	Dashboard is reloaded and displays only posts with titles or tags containing "music". Example results: Post 1: ["Music Lesson", Description, #tag1 #tag2] Post 2: ["Fun project", Description, #music is fun] Post 3: ["Violins", Description, #music]	Pass
1.1	"easy lesson"	Dashboard is reloaded and displays only posts with titles or tags containing "easy lesson". Example results: Post 1: ["Easy lesson", Description, #tag1 #tag2] Post 2: ["Science project", Description, #science #easy lesson]	Pass

Manage account settings

1.1 Stored old password

1.2 Not stored old password

2.1 Valid New Password (one or more characters)

2.2 Invalid new password (empty string)

3.1 Matching confirmation password

3.2 Non-matching confirmation password

Equivalence Class Combinations	Test Input	Expected Output	Pass/fail
1.1, 2.1, 3.1	Users Original Password, New Password, and	Redirected to Dashboard	Pass

	Confirm Password		
1.1 2.2 3.1	Users Original Password, New Password = "", Confirm New Password = ""	One or More fields are Empty	Pass
1.1 2.1 3.2	Users Original Password, New Password = 'new_password', Confirm Password='confirm_password'	New Password and Confirm Password Do not Match	pass
1.2 2.1 3.1	Not User's Original Password, New Password, and Confirm Password	Old Password is not correct	Pass
1.1 2.2 3.1	Not User's Original Password, New Password, and Confirm Password	Old Password is not correct	Pass
1.1 2.1 3.2	Not User's Original Password, New Password, and Confirm Password	Old Password is not correct	Pass

Commenting on a post

A valid comment: A comment consisting of any characters of any length, including empty chars

1.1 Valid Comment

Equivalence Class Combinations	Test Input	Expected Output	Pass/fail
1.1	"dsljfhdsjlfhslkdjfhkdfh"	"dsljfhdsjlfhslkdjfhkdfh"	Pass