Equivalence class testing

Table 1: Equivalence Classes:

Test Functions	Variables being tested	Equivalence classes
testRegister()	user.email	Missing, Exists, Invalid Format, Valid Format
testRegister()	user.password	Invalid Format, Missing Fields, Valid Format
testRegister()	user information fields	Missing Fields, Complete Fields
testLogin()	user.email	Missing, Invalid Format, Valid Format
testLogin()	user.password	Missing Fields, Invalid Format, Valid Format
testResetPassword()	newPassword	Missing, No upper case, No lower case, No digit, No special character, White space included <8 chars
testResetPassword()	confirmPassword	Missing, Not matching with newPassword, Matching
testUserInfoSession()	user session state	Non-existent User, Unauthorized User, Authorized User
testPostService()	postService fields	Missing All Fields, Missing Some Fields, Complete Fields
testExploreServices()	service list	No services found, List of services found
testUpdatePostStatus()	post status	In Progress, Completed, Active
testDeletePost()	post existence	Deleted Post, Non-existent Post

Table 2: Equivalence Class Tests:

Test method	Test Purpose	Expected Outcome	Actual Outcome	Test Pass
testRegister()	Test with missing fields	Response should indicate all fields required	Response indicates all fields required	Yes
testRegister()	Test with email already existing	Response should indicate email already exists	Response indicates email already exists	Yes
testRegister()	Test with wrong email format	Response should indicate invalid email format	Response indicates invalid email format	Yes

testRegister()	Test with wrong password format	Response should indicate invalid password format	Response indicates invalid password format	Yes
testRegister()	Test with missing user information fields	Response should indicate all fields required	Response indicates all fields required	Yes
testRegister()	Test with all requirements met	Response should indicate successful registration	Response indicates successful registration	Yes
testLogin()	Test with missing fields	Response should indicate all fields required	Response indicates all fields required	Yes
testLogin()	Test with invalid email	Response should indicate invalid email	Response indicates invalid email	Yes
testLogin()	Test with invalid password	Response should indicate invalid password	Response indicates invalid password	Yes
testLogin()	Test with correct email and password	Response should indicate successful login	Response indicates successful login	Yes
testResetPassword()	Test with missing fields	Response should indicate all fields required	Response indicates all fields required	Yes
testResetPassword()	Test with password and confirm password not matching	Response should indicate passwords do not match	Response indicates passwords do not match	Yes
testResetPassword()	Test with no upper case letters	Response should indicate invalid password	Response indicates invalid password	Yes
testResetPassword()	Test with no lower case letters	Response should indicate invalid password	Response indicates invalid password	Yes
testResetPassword()	Test with no digit in password	Response should indicate invalid password	Response indicates invalid password	Yes
testResetPassword()	Test with no special character	Response should indicate invalid password	Response indicates invalid password	Yes
testResetPassword()	Test with less than 8 characters	Response should indicate invalid password	Response indicates invalid password	Yes

testResetPassword()	Test with white space	Response should indicate invalid password	Response indicates invalid password	Yes
testResetPassword()	Test valid password entry	Response should indicate successful password reset	Response indicates successful password reset	Yes
testUserInfoSession()	Test with non-existent user	Response should indicate user not found	Response indicates user not found	Yes
testUserInfoSession()	Test with unauthorized user	Response should indicate user is not logged in	Response indicates user is not logged in	Yes
testUserInfoSession()	Test with authorized user	Response should indicate user information session	Response indicates user information session	Yes
testPostService()	Test with missing all fields	Response should indicate all fields required	Response indicates all fields required	Yes
testPostService()	Test with missing some fields	Response should indicate all fields required	Response indicates all fields required	Yes
testExploreServices()	Test with no services found	Response should indicate no services found	Response indicates no services found	Yes
testExploreServices()	Test with list of services found	Response should indicate services are found	Response indicates services are found	Yes
testUpdatePostStatus()	Change status to "In Progress"	Response should indicate status updated successfully	Response indicates status updated successfully	Yes
testUpdatePostStatus()	Change status to "Completed"	Response should indicate status updated successfully	Response indicates status updated successfully	Yes
testUpdatePostStatus()	Change status to "Active"	Response should indicate status updated successfully	Response indicates status updated successfully	Yes
testDeletePost()	Test deleting a post	Response should indicate post deleted successfully	Response indicates post deleted successfully	Yes
testDeletePost()	Test getting a deleted post	Response should indicate post not found	Response indicates post not found	Yes