

## 1. User Registration : Instagram

TestCase ID	TestCase Description	Preconditions	TestSteps	Expected Result
TC001	verify that a new user can successfully registered with valid credentials	N/A	<p>Open browser and type <a href="https://www.instagram.com">https://www.instagram.com</a></p> <p>1.navigate to the "Register" page .</p> <p>2.enter valid details(username, email, password)</p> <p>3.click on "Sign up".</p>	The user should be registered and redirected to the login page .
TC002	verify that the registration fails with the missing details	N/A	<p>1.navigate to the "Register" page .</p> <p>2.leave required fields as blank</p> <p>3.click on "sign up" option.</p>	The system should display an error message for missing fields.
TC003	verify that registration fails with an already used email	an email already registered in the system	<p>1.navigate to the "Register" page .</p> <p>2.enter already used email</p> <p>3.enter other required details</p> <p>4.click on "Sign Up ".</p>	The system should display an error message stating that the email is already in use.

## 2. User Login :

TestCase ID	TestCase Description	Preconditions	TestSteps	Expected Result

TC004	verify that a registered user can successfully login with correct credentials	user must be registered.	1.Navigate to the "Login" page. 2.Enter valid username and valid password 3.click "Login".	The system should be logged in and it should be redirected to homepage
TC005	verify that login fails with incorrect credentials.	user must be registered.	1.Navigate to the "Login" page. 2.Enter incorrect username and password 3.click "Login".	The system should display an error message stating that credentials are incorrect.
TC006	verify that login fails with missing credentials	N/A	1.Navigate to the "Login" page. 2.Leave username or password as blank. 3.click "Login".	The system should display an error message stating that missing credentials.

### 3.Create a post

Test Case ID	Test Case Description	Preconditions	Test Steps	Expected Result
TC007	Verify that the user can create a new post with an image	user should be logged in	1.Navigate to the "Create Post" page. 2.Upload an image. 3.Enter a caption 4.click on "Post".	The post should be published successfully and visible on the user's profile and feed.

TC008	verify that a user cannot create a post without an image	user should be logged in	1.Navigate to the "Create Post" page. 2.Leave the image upload field blank. 3.Click on "Post".	The system should displays an error message stating that an image is required.
TC009	verify that a user can create a post without a caption.	user should be logged in.	1.Navigate to the "Create Post" page . 2.upload an image . 3.leave the caption field as blank. 4.click on "Post".	The post should be published sucessfully with no caption and visible on the user's profile and feed.

#### 4. Comment on post

TestCase ID	TestCase Description	Preconditions	TestSteps	Expected Result
TC010	verify that a user can sucessfully comment on a post	A post should be visible.	1.Navigate to the specific post . 2.Enter a valid comment. 3.Click on "Submit".	The comment should be added and visible under the post .
TC011	verify that a comment field does not accept blank submission.	A post should be visible.	1.Navigate to the specific post . 2.Leave the comment field as blank . 3.click on "Submit".	The system should displays an error message stating that comment cannot be empty.

TC012	Verify that a user can delete their own comment.	A user should have posted a comment.	1.Navigate to the specific post .  2.Locate the comment posted by the user  3.click on "Delete".	The comment should be removed from the post .
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#### 5.Navigation :

TestCase ID	TestCase Description	Preconditions	TestSteps	Expected Result
TC013	Verify that clicking on "Home" navigates to homepage	N/A	1.Click on the "Home" from any page .	The user should be navigated to the homepage.
TC014	Verify that clicking on "Profile" navigates to user's profile	user should be logged in	1.Click on the "Profile link" from any page	The user should be navigated to the profile page.

#### Usability testing :

TestCase ID	TestCase Description	Preconditions	TestSteps	Expected Result
TC016	Verify that the website layout is responsive across devices.	N/A	1.Open the website on mobile, desktop,tablet devices.	The layout should adjust correctly to different screen sizes.
TC017	Verify that all buttons and links are visible and functional	N/A	Inspect button and links across different devices.	All buttons and links should be visible and functional .

TC018	verify that text remains readable when resizing the screen to a smaller width.	N/A	1.Resize browser window to smaller width 2.check text readability	Text should remain readable and should not overflow .
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#### Compatibility

TestCase ID	TestCase Description	Preconditions	TestSteps	Expected Result
TC019	verify functionality across different browsers.	N/A	1.Open the website on chrome, firefox,safari and edge browser	The website should function correctly on all tested browsers.
TC020	verify consistency in appearance across different browsers	N/A	1.Open the website on chrome, firefox , safari and edge browser	The appearance should be consistent across different browsers.