## Test Cases- Online Shopping Store

## Black-Box Test Cases

These test cases are defined based on the available documentation and execution of the program. The code was not inspected.

#	Test case	Preconditions	Test steps	Expectation	Observation
	(very brief description)	(any required setup)	(steps executed during testing)		("pass" or failure
					description)
1	Successful Registration	CSV file is initially empty	Launch the application.	User details are	Pass
			Fill in unique username, valid	written to CSV.	
			password, phone number, and email.	Redirects to home	
			Click "Register".	page.	
2	Empty Fields	CSV file is initially empty	Launch the application.	A message "Please fill	Pass
			Leave any field (username, password,	in all fields." should	
			phone number, email) empty.	appear.	
			Click "Register".		
3	Invalid Email Format	CSV file is initially empty	Launch the application.	A message " Please	Pass
			Enter an invalid email format.	Enter Valid Email "	
			Click "Register".	should appear.	
4	Email Already Registered	CSV file contains	Launch the application.	Alert shows "E-Mail is	Pass
		registered email	Enter an email that is already in the	already registered."	
			CSV file.	message.	
			Click "Register".		
5	Phone Number Already	CSV file contains	Launch the application.	Alert shows "Phone	Pass
	Registered	registered phone	Enter a phone number that is already	number is already	
		number	in the CSV file.	registered." message.	
			Click "Register".		
6	Both Email and Phone	CSV file contains both	Launch the application	Alert shows "E-Mail	Pass
	Number Registered	registered email and	Enter both email and phone number	and Phone number	
		phone number	that are already in the CSV file.	are already	

			Click "Register".	registered." message.	
7	Back Button Functionality	Application launched	Click on the "Back" button.	The application should redirect to the home page.	Pass
8	CSV File Writing	None	Register a user through the UI with valid data.	Data is correctly written to the CSV file.	Pass
9	Successful Password Update	CSV file contains user data	Launch the application. Enter a valid email, matching new and confirm passwords, then click "Submit".	Password for the corresponding email should be updated successfully. A success message appears.	Pass
10	Passwords Do Not Match	CSV file contains user data	Launch the application. Enter a valid email, mismatching new and confirm passwords, then click "Submit".	A message "Passwords do not match!" should appear.	Pass
11	Invalid Email	CSV file contains user data	Launch the application. Enter an email does not present in the CSV file, valid new and confirm passwords, then click "Submit".	A message " Please Enter Valid Email " should appear.	Fail Its displaying "Email not Found!"
12	Back Button Functionality	Application launched	Click on the "Back" button.	The application should redirect to the home page.	Pass
13	Empty Email Field	Application launched	Launch the application. Leave the email field empty, enter valid new and confirm passwords, then click "Submit".	A message "Please Enter Email" should appear.	Fail Its displaying "Email not Found!"

14	Empty New Password Field	Application launched	Launch the application. Enter a valid email, leave the new password field empty, enter the same value in confirm password, then click "Submit".	A message "Please Enter New Password" should appear.	Fail Its displaying "Passwords do not match!"
15	Empty Confirm Password Field	Application launched	Launch the application. Enter a valid email, enter a new password, leave the confirm password field empty, then click "Submit".	A message "Please Re-Enter Password" should appear.	Fail Its displaying "Passwords do not match!"
16	Valid Login Credentials	CSV file exists with valid user credentials	Launch the application. Enter a valid mail ID and password. Click "Login".	Redirects to the shopping cart page.	Pass
17	Invalid Login Credentials	CSV file exists with valid user credentials	Launch the application. Enter an invalid mail ID or password. Click "Login".	Displays "User Not Found, Enter valid credentials" message.	Pass
18	Register Button Navigation	Application launched	Launch the application. Click on "Register" button.	Redirects to the registration page.	Pass
19	Forgot Password Button Navigation	Application launched	Launch the application. Click on "Forgot Password" button.	Redirects to the forgot password page.	Pass
20	Navigate to Shopping Cart	Valid login credentials	Successfully logged in with valid credentials.	Redirects to the shopping cart page.	Pass
21	Empty Email Id Field	CSV file exists with valid user credentials	Launch the application. Leave email id field empty and enter valid password. Click "Login".	A message " Please Enter Valid Email " should appear.	Fail A message "User Not Found, enter valid credentials" appears
22	Empty Password Field	CSV file exists with valid user credentials	Launch the application. Enter valid email id and leave password field empty. Click "Login".	A message "Please Enter Password " should appear.	Fail A message "User Not Found, enter valid credentials" appears
23	Product Search	Application launched	Launch and Login to the application. Enter Product name which is available	Console should display Herbal Related products.	Pass

			Example: Enter "Herbal" in the search field. Click "Search".		
24	Empty Search Field	Application launched	Launch and Login to the application. Leave the search field empty. Click "Search".	No product should be displayed in the console and A message "Enter Product Name" appear	Fail Its displaying "All Products"
25	Search with Non-existing Product	Application launched	Launch and Login to the application. Enter the product name which is not available in the search field. Click "Search".	No product should be displayed in the console and A message "No Product Available" appear	Fail No message appears
26	Filter by Medicine Types	Application launched	Launch and Login to the application. Select "Ayurveda" checkbox.	Only products categorized under "Ayurveda" are displayed.	Pass
27	Filter by Multiple Medicine Types	Application launched	Launch and Login to the application. Select "Ayurveda" and "Homeopathy" checkboxes.	Products categorized under "Ayurveda" and "Homeopathy" are displayed.	Pass
28	Select and Deselect Medicine Types	Application launched	Launch and Login to the application. Select "Ayurveda" checkbox, then deselect it.	Initially, only "Ayurveda" products are shown; after deselecting, all products are displayed.	Pass
29	Logout Button Functionality	Application launched	Launch and Login to the application. Click on the "Logout" button.	Application redirects to the login page.	Pass
30	Product details	Application launched	Launch and Login to the application. Select the product available in product section and check for product details	Product details like "Name, Description and Price" should appear	Pass

31	Adding product to	Application launched	Launch and Login to the application.	Product should be	Fail
	Shopping cart		Select the desired product and add to	added to shopping car	Feature not implemented
			shopping cart		
32	Payment Option and	Application launched	Launch and Login to the application.	Payment done and	Fail
	orders page		Select the desired product and add to	checkout to orders	Feature not implemented
			shopping cart and select payment and	page	
			checkout		

## White-Box Test Cases

These additional test cases were defined during inspection of the code.

#	Test case	Preconditions	Test steps	Expectation	Observation
	(very brief description)	(any required setup)	(steps executed during testing)		("pass" or failure
					description)
1	UI Components Existence	Application running	<ol> <li>Launch the application</li> <li>Initialize UI components for testing.</li> </ol>	All UI components (usernameInput, passwordInput, loginButton, registerButton, forgotPasswordButton, promptLabel) should not be null.	Pass
2	Successful Login	CSV file	<ol> <li>Load data tester123@example.com with password 12345 into CSV file using writeCSV method.</li> <li>Enter tester123@example.com in usernameInput.</li> <li>Enter 12345 in passwordInput.</li> <li>Click on loginButton.</li> </ol>	The promptLabel should be empty, indicating successful login.	Pass
3	Empty Username and Password	Application running	<ol> <li>Enter an empty string in usernameInput.</li> <li>Enter an empty string in passwordInput.</li> <li>Click on loginButton.</li> </ol>	The promptLabel should display "User Not Found, Enter valid credentials".	Pass

4	Login Failure (Invalid Credentials)	Application running	<ol> <li>Enter invalid@example.com in usernameInput.</li> <li>Enter wrong password in passwordInput.</li> <li>Click on loginButton.</li> </ol>	The promptLabel should display "User Not Found, Enter valid credentials".	Pass
5	Redirect to Register Page	Application running	1. Click on registerButton.	Application should redirect to the register page. (Verify by console output)	Pass
6	Redirect to Forgot Password Page	Application running	1. Click on forgotPasswordButton.	Application should redirect to the forgot password page. (Verify by console output)	Pass
7	Update Password Successfully	CSV file	1. Register tester@example.com with a password, username and mobile number using writeCSV method. 2. Call updatePassword method with tester@example.com and newPassword12. 3. Create a separate method isPasswordUpdated to check if the password is updated in the csv file. 4. Test case passes if it's true	Password should be updated successfully in the CSV file.	Fail
8	Email Input Field	Application running	<ol> <li>Lookup emailInput TextField.</li> <li>Write test@example.com into the emailInput field.</li> <li>Verify the input.</li> </ol>	The text in emailInput should be test@example.com.	Pass
9	New Password Input Field	Application running	1. Lookup newPasswordInput PasswordField. Write newPassword123 into the newPasswordInput field. 3. Verify the input.	The text in newPasswordInput should be newPassword123.	Pass
10	Confirm Password Input Field	Application running	<ol> <li>Lookup confirmPasswordInput         PasswordField.         Write newPassword123 into the     </li> </ol>	The text in confirmPasswordInput should be newPassword123.	Pass

			confirmPasswordInput field. 3. Verify the input.		
11	Load Products Successfully	Product list is pre- defined	<ol> <li>Call ProductData.loadProducts().</li> <li>Verify the products list is not null.</li> <li>Verify the list contains 10 products.</li> <li>Verify attributes of each product.</li> </ol>	Products list should be loaded successfully with correct attributes.	Pass
12	Products List Not Null	Product list is pre- defined	Call ProductData.loadProducts().     Verify the products list is not null.	Products list should not be null.	Pass
13	Products List Size	Product list is pre- defined	<ol> <li>Call ProductData.loadProducts().</li> <li>Verify the products list contains 10 products.</li> </ol>	Products list should contain exactly 10 products.	Pass
14	Product Category Counts	Product list is pre- defined	<ol> <li>Call ProductData.loadProducts().</li> <li>Count the number of products in each category.</li> <li>Verify the counts.</li> </ol>	Each category should contain 2 products.	Pass
15	No duplicates	Product list is pre- defined	<ol> <li>Call ProductData.loadProducts().</li> <li>Verify that each product in the list is unique.</li> </ol>	There should be no duplicates	Pass
16	Verify UI Components Existence	The JavaFX application is running	<ol> <li>Check if searchField exists.</li> <li>Check if searchButton exists.</li> <li>Check if consoleLabel exists.</li> </ol>	All the UI components (searchField, searchButton, consoleLabel) should exist.	Pass
17	Search Button Action	The JavaFX application is running	<ol> <li>Enter "Test Query" in the search field.</li> <li>Click the search button.</li> </ol>	The console label should display "Search Query: Test Query".	Pass
18	Empty Search Input	The JavaFX application is running	1. Click the search button without entering anything in the search field.	The console label should remain empty or unchanged.	Fail
19	Special Characters in Search Input	The JavaFX application is running	<ol> <li>Enter "Special #@\$ Characters" in the search field.</li> <li>Click the search button.</li> </ol>	The console label should display "Search Query: Special #@\$ Characters".	Pass
20	Multiple Searches	The JavaFX application is running	<ol> <li>Enter "herbal" in the search field.</li> <li>Click the search button.</li> <li>Enter "remedy" in the search field.</li> <li>Click the search button.</li> </ol>	The console label should display "Search Query: herbal" after the first search	Pass

				and "Search Query: remedy" after the second search.	
21	Verify searching for products	The JavaFX application is running	<ol> <li>Enter "herbal" in the search field.</li> <li>Click the search button.</li> </ol>	The product accordion should display 4 product panes.	Pass
22	Filter products by a single category	The JavaFX application is running	<ol> <li>Click on the Ayurveda checkbox.</li> <li>Click the Ayurveda checkbox again.</li> <li>Click on the Naturopathy checkbox.</li> <li>Click the Naturopathy checkbox again.</li> </ol>	The product accordion should display 2 panes for Ayurveda, 2 panes for Naturopathy, and no panes when both are unchecked.	Pass
23	Filter products by multiple categories	The JavaFX application is running	<ol> <li>Click on the Ayurveda checkbox.</li> <li>Click on the Homeopathy checkbox.</li> </ol>	The product accordion should display 4 product panes.	Pass
24	Clear search input	The JavaFX application is running	<ol> <li>Enter "herbal" in the search field.</li> <li>Click the search button.</li> <li>Erase the search input.</li> <li>Click the search button again.</li> </ol>	The product accordion should display 4 panes after the first search and 0 panes after clearing the search input.	Fail
25	Logout functionality	The JavaFX application is running	Click on the logout button.	The login fields (username and password) should be present after logging out.	Pass
26	Verify email validation	JavaFX application is running	Invoke isValidEmail with various email inputs.	Correct Boolean results for valid and invalid emails.	Pass
27	Verify email registration	JavaFX application is running	Invoke isEmailRegistered with various email inputs.	Correct Boolean results based on existing emails in the CSV file.	Pass
28	Verify phone number registration logic	JavaFX application is running	Invoke isPhoneNumberRegistered with various phone number inputs.	Correct Boolean results based on existing phone numbers in the CSV file.	Pass
29	Verify CSV writing logic	JavaFX application is running	Invoke writeCSV to add a new user and check CSV file content.	CSV file contains the new user data.	Pass
30	Register a user with valid input	JavaFX application is running	Simulate user input for valid registration details and click register.	User data is written to the CSV file.	Pass
31	Register a user with an existing email	JavaFX application is running	Creates a user and then simulates a user input with an email that was created and click register.	Prompt label shows "E-Mail is already registered.".	Fail

32	Register a user with an	JavaFX application is	Creates a user and simulates user input	Prompt label shows	Fail
	existing phone number	running	with a phone number that was created	"Phonenumber is already	
			and click register.	registered.".	
33	Register a user with both	JavaFX application is	Creates a user and simulates user input	Prompt label shows "E-Mail	Fail
	existing number and	running	with both email and phone number that	and Phonenumber are	
	email		was created and click register.	already registered.".	
34	Register a user with	JavaFX application is	Simulate user input with empty fields and	Prompt label shows "Please	Pass
	empty fields	running	click register.	fill in all fields."	
35	Register a user with	JavaFX application is	Simulate user input with an invalid email	Prompt label shows "Please	Pass
	invalid email	running	and click register.	enter a valid email address.".	
36	Constructor Initialization	A product object is	1. Create a product object with specified	The product attributes should	Pass
		created	parameters.	be initialized correctly.	
			2. Verify the initialization of attributes.		
37	Get Name	A product object is	Call getName() method.	The name should be "Herbal	Pass
		created		Tea".	
38	Set Name	A product object is	1. Call setName("Green Tea").	The name should be "Green	Pass
		created	2. Call getName().	Tea".	
39	Get Category	A product object is	Call getCategory() method.	The category should be	Pass
		created		"Ayurveda".	
40	Set Category	A product object is	1. Call setCategory("Tea").	The category should be "Tea".	Pass
		created	2. Call getCategory().		
41	Get Image Path	A product object is	Call getImagePath() method.	The image path should be	Pass
		created		"/Images/herbal_tea.jpg".	
42	Set Image Path	A product object is	1. Call	The image path should be	Pass
		created	setImagePath("/Images/green_tea.jpg").	"/Images/green_tea.jpg".	
			2. Call getImagePath().		
43	Get Description	A product object is	Call getDescription() method.	The description should be "A	Pass
		created		soothing herbal tea blend.".	
44	Set Description	A product object is	1. Call setDescription("Refreshing green	The description should be	Pass
		created	tea.").	"Refreshing green tea.".	
			2. Call getDescription().		
45	Get Price	A product object is	Call getPrice() method.	The price should be 5.99.	Pass
		created			

46	Set Price	A product object is created	1. Call setPrice(4.99). 2. Call getPrice().	The price should be 4.99.	Pass
47	Set Negative Price	A product object is created	1. Call setPrice(-5.0). 2. Call getPrice().	The price should be -5.0.	Pass
48	Set Empty Name	A product object is created	1. Call setName(""). 2. Call getName().	The name should be an empty string.	Pass
49	Set Empty Category	A product object is created	1. Call setCategory(""). 2. Call getCategory().	The category should be an empty string.	Pass
50	Set Empty Description	A product object is created	Call setDescription("").     Call getDescription().	The description should be an empty string.	Pass
51	Set Null Image Path	A product object is created	Call setImagePath(null).     Call getImagePath().	The image path should be null.	Pass
52	Set Minimum Price	A product object is created	1. Call setPrice(Double.MIN_VALUE). 2. Call getPrice().	The price should be Double.MIN_VALUE.	Pass
53	Set Maximum Price	A product object is created	1. Call setPrice(Double.MAX_VALUE). 2. Call getPrice().	The price should be Double.MAX VALUE.	Pass
54	Test getters return null initially	User object is initialized	Call getters (getName, getPassword, getPhoneNumber, getMail).	All getters should return null.	Pass
55	Test setters and getters	User object is initialized	1.Set fields (setName, setPassword, setPhoneNumber, setMail).     2.Call corresponding getters.	Getters should return the values set by the setters.	Pass
56	Test toString method	User object is initialized and fields are set	1.Set fields (setName, setPassword, setPhoneNumber, setMail).      2.Call toString.	toString should return name: John Doe, password:password123, phone:123-456-7890, mail:john.doe@example.com.	Pass
57	Test setters with null values	User object is initialized	1.Set fields to null (setName, setPassword, setPhoneNumber, setMail). 2.Call getters.	Getters should return null for all fields.	Pass
58	Test toString with null values	User object is initialized and fields are set to null	1.Set fields to null (setName, setPassword, setPhoneNumber, setMail). 2.Call toString.	toString should return name: null, password:null, phone:null, mail:null.	Pass

Test setters with max length values    Set Name, setPassword, setPhoneNumber, setMail).						
setPhoneNumber, setMail). 2.Call getters.  Two user objects are initialized with same values and one with different value  Test equality with null  Test equality with null  User object is initialized  Test equality with different types  Test equality with same reference  Test equality with same reference  User object swith the same field values should be equal. User objects with different field values should not be equal.  User object is initialized  1.Create a user object. 2.Compare it with null using assertNotEquals.  User object should not be equal to null.  User object should not be equal to null.  User object should not be equal to an object of a different type.  Compare it with a String object using assertNotEquals.  User object should not be equal to an object of a different type.  Compare it with itself using to itself.  Test equality with  User objects are  User objects should be equal to itself.  User object should be equal to itself.	59	Test setters with max	User object is initialized	1.Set fields to max length values	Getters should return the	Pass
2.Call getters.  Two user objects are initialized with same values and one with different value  Test equality with null  Test equality with null  User object is initialized  1.Use assertEquals to compare the equal ones.  2.Use assertNotEquals to compare the unequal ones.  1.Create a user object.  2.Compare it with null using assertNotEquals.  1.Create a user object.  2.Compare it with a String object using different types  Test equality with same reference  User object is initialized  1.Create a user object.  2.Compare it with a String object using assertNotEquals.  1.Create a user object.  2.Compare it with itself using assertNotEquals.  1.Create a user object.  2.Compare it with itself using assertNotEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with itself using assertEquals.  1.Create a user object.  2.Compare it with different user objects wit		length values		(setName, setPassword,	max length values set by the	
Test equality  Two user objects are initialized with same values and one with different value  Test equality with null  Test equality with null  User object is initialized  Test equality with null  User object is initialized  1. User object.  2. User assertNotEquals to compare the unequal ones.  1. User object with different field values should be equal.  User objects with different field values should not be equal.  User object should not be equal.  User object should not be equal to null.  Seem object should not be equal to null.  1. Create a user object.  2. Compare it with a String object using assertNotEquals.  1. Create a user object.  2. Compare it with a String object using different type.  1. Create a user object.  2. Compare it with itself using assertNotEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.  1. Create a user object.  2. Compare it with itself using assertEquals.				setPhoneNumber, setMail).	setters.	
initialized with same values and one with different value  Ones. 2.Use assertNotEquals to compare the unequal ones.  1.Create a user object. 2.Compare it with null using assertNotEquals.  1.Create a user object. 2.Compare it with null using assertNotEquals.  1.Create a user object. 2.Compare it with null using assertNotEquals.  1.Create a user object. 2.Compare it with a String object using assertNotEquals.  1.Create a user object. 2.Compare it with a String object using assertNotEquals.  1.Create a user object. 2.Compare it with a String object using assertNotEquals.  1.Create a user object. 2.Compare it with a String object using assertNotEquals.  1.Create a user object. 2.Compare it with itself using assertEquals.  1.Create a user object. 2.Compare it with itself using assertEquals.  1.Create a user object. 2.Compare it with itself using assertEquals.  1.Create a user object. 2.Compare it with itself using assertEquals.  1.Create two User objects with different user objects user objects user objects user objects user objects user objects user obje				2.Call getters.		
values and one with different value  2. Use assertNotEquals to compare the unequal ones.  1. Create a user object. 2. Compare it with null using assertNotEquals.  2. User object is initialized 3. Create a user object. 4. Create a user object. 5. Compare it with null using assertNotEquals.  4. Create a user object. 5. Compare it with a String object using assertNotEquals.  4. Create a user object. 5. Compare it with a String object using assertNotEquals.  4. Create a user object. 5. Compare it with a String object using assertNotEquals.  4. Create a user object. 5. Compare it with a String object using assertNotEquals.  5. Create a user object. 5. Compare it with itself using assertNotEquals.  6. Test equality with same reference  4. Test equality with 5. User object is initialized to itself.  6. Test equality with 6. User objects are  6. User objects with different unequal ones.  6. User objects with different unequal ones.  6. User objects with different unequal ones.  6. User objects with different unequal unequa	60	Test equality	Two user objects are	1.Use assertEquals to compare the equal	User objects with the same	Fail
different value unequal ones. field values should not be equal.  1. Test equality with null user object is initialized 2. Compare it with null using assertNotEquals.  1. Create a user object. 2. Compare it with null using equal to null.  1. Create a user object. User object should not be equal to null.  1. Create a user object. User object should not be equal to null.  2. Compare it with a String object using equal to an object of a different types.  3. Test equality with same reference reference 2. Compare it with itself using assertEquals.  4. Test equality with same reference assertEquals.  1. Create a user object. User object should be equal to itself.			initialized with same	ones.	field values should be equal.	
Compare it with null   Compare it with null   Compare it with null using   Compare it with a String object using   Compare it with itself using   Compare it with different   Compare			values and one with	2.Use assertNotEquals to compare the	User objects with different	
Test equality with null  User object is initialized  1.Create a user object. 2.Compare it with null using assertNotEquals.  User object should not be equal to null.  User object should not be equal to null.  User object should not be equal to an object should not be equal to an object of a different types  Test equality with same reference  User object is initialized 1.Create a user object. 2.Compare it with a String object using assertNotEquals.  User object should not be equal to an object of a different type.  User object should be equal to an object of a different type.  User object should be equal to itself.  User object should be equal to itself.			different value	unequal ones.	field values should not be	
2.Compare it with null using assertNotEquals.  62 Test equality with different types  63 Test equality with same reference  64 Test equality with  Compare it with null using assertNotEquals.  Compare it with a String object using assert to itself.  Compare it with a String object using assert to itself.  Compare it with a String object using assert to itself.  Compare it with itself using assert to itself.					equal.	
assertNotEquals.   User object is initialized   1.Create a user object.   User object should not be   equal to an object of a   different types   different types   User object is initialized   assertNotEquals.   User object should not be   equal to an object of a   different type.   different type.   Oser object should be equal   Pass   equality with same   User object is initialized   1.Create a user object.   User object should be equal   Pass   equality with   User objects are   1.Create two User objects with different   User objects with different   Pass   equality with   User objects are   equality with   User objects with different   equality with   User objects with different   equality with   equali	61	Test equality with null	User object is initialized	1.Create a user object.	User object should not be	Pass
Test equality with different types  Compare it with a String object using assertNotEquals.  Compare it with itself using assertEquals.				2.Compare it with null using	equal to null.	
different types  2.Compare it with a String object using assertNotEquals.  1.Create a user object.  2.Compare it with a String object using assert type.  1.Create a user object.  2.Compare it with a String object using assert type.  1.Create a user object.  2.Compare it with itself using assert Equals.  1.Create a user object.  2.Compare it with itself using assert type.  1.Create a user object.  2.Compare it with itself using assert type.  1.Create a user object.  2.Compare it with itself using assert type.  1.Create a user object.  2.Compare it with itself using assert type.  1.Create type.  1.Create a user object.  2.Compare it with itself using assert type.  1.Create type.				assertNotEquals.		
assertNotEquals.   different type.	62	Test equality with	User object is initialized	1.Create a user object.	User object should not be	Pass
Test equality with same reference User object is initialized 1.Create a user object.  2.Compare it with itself using assertEquals.  Test equality with User objects are 1.Create a user object.  User object should be equal to itself.  User objects with different User objects with different Pass		different types		2.Compare it with a String object using	equal to an object of a	
reference 2.Compare it with itself using assertEquals. to itself.  64 Test equality with User objects are 1.Create two User objects with different User objects with different Pass				assertNotEquals.	different type.	
assert Equals.  64 Test equality with User objects are 1.Create two User objects with different User objects with different Pass	63	Test equality with same	User object is initialized	1.Create a user object.	User object should be equal	Pass
64 Test equality with User objects are 1.Create two User objects with different User objects with different Pass		reference		2.Compare it with itself using	to itself.	
				assertEquals.		
different emails initialized with different emails. emails should not be equal.	64	Test equality with	User objects are	1.Create two User objects with different	User objects with different	Pass
		different emails	initialized with different	emails.	emails should not be equal.	
emails 2.Use assertNotEquals to compare.			emails	2.Use assertNotEquals to compare.		
65 Test equality with User objects are 1.Create two User objects with different User objects with different Pass	65	Test equality with	User objects are	1.Create two User objects with different	User objects with different	Pass
different phone numbers initialized with different phone numbers. phone numbers phone numbers should not		different phone numbers	initialized with different	phone numbers.	phone numbers should not	
phone numbers 2.Use assertNotEquals to compare. be equal.			phone numbers	2.Use assertNotEquals to compare.	be equal.	