

CST 338

Project 2 – Test Case Development

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Username Requirements:

- Must be between 8 – 20 characters
- Contains at least 1 number.
- Must contain 1 special symbols.
- Contains at least 1 uppercase letter.
- Contains at least 1 lowercase letter

Password Requirements:

- Must be at least of length 8
- Contains at least 1 number.
- Must contain 1 special symbols.
- Contains at least 1 uppercase letter.
- Contains at least 1 lowercase letter

Predefined Users

Username	Password
A@lice5	@cSit100
\$BriAn7	123aBc##
!chriS12!	CHrIS12!!

Predefined Flights

Flight No.	Departure	Arrival	Departure Time	Flight Capacity	Price
Otter101	Monterey	Los Angeles	10:30(AM)	10 seats	\$150.00
Otter102	Los Angeles	Monterey	1:00(PM)	10 seats	\$150.00
Otter201	Monterey	Seattle	11:00(AM)	5 seats	\$200.50
Otter205	Monterey	Seattle	3:45()M)	15 seats	\$150.00
Otter202	Seattle	Monterey	2:10(PM)	5 seats	\$200.50

Note: If a user attempts to create account with invalid username/password. The user is not required to enter all credentials again (username and password). Simply modify the current values or remove themselves.

Title: Test Case 0

Purpose: Fail to create a new account with incorrect username/password format.

Input Scenario:

1. Selects the option of “Create Account”.
2. Type username: byun7
3. Type password: !byun7
4. The System should display an error message for the incorrect format.
5. Type username: byun7!
6. Type password: 7byun

Expected Result:

- a) The System should display an error message at the step 4.
- b) The System should display an error message after the step 6. After that, the Customer confirms the error message. Finally, the System should display the main menu.

Title: Test Case 1

Purpose: Attempt to create account with valid username and password formats

Input Scenario:

1. Selects the option “Create Account”.
2. Type username: !davidJohnsen3
3. Type password: !supErsecret3
4. Click “Confirm”

Expected Result:

- a) User is created, and the system should display the main menu

Title: Test Case 2

Purpose: Attempt to create account with incorrect username/password format

Input Scenario:

1. Selects the option “Create Account”.
2. Type username: !davidJohnsen
3. Type password: !supErsecret3
4. Click “Confirm”
5. The system should display an error message for invalid username format.
6. Type username: !davidJohnsen3
7. Click “Confirm”

Expected Result:

- a) The System should display an error message at the step 5, making the user aware of the username requirements.
- b) User confirms error message
- c) User make changes to username to fit requirements and attempt to create account.
- d) User is created, and the system should display the main menu

Title: Test Case 3

Purpose: Attempt to create account with duplicate user

Input Scenario:

1. Selects the option "Create Account".
2. Type username: A@lice5
3. Type password: !supErsecret3
4. Click "Confirm"

Expected Result:

- a) The System should display an error message at the step 4, making the user aware that the username is already in use by another account.
- b) User confirms error message
- c) User make changes to username and attempt to create account.
- d) User is created, and the system should display the main menu

Title: Test Case 4

Purpose: Attempt to reserve seat with success

Input Scenario:

1. Selects the option "Reserve Seat".
2. Type departure: "Monterey"
3. Type arrival: "Los Angeles"
4. Type numbers of tickets: "3"
5. System will display information about flight "Otter101"
6. Select flight option: "Otter101"
7. System ask user to log in
8. Type username: A@lice5
9. Type password: @cSit100
10. System displays reservation information
11. System prompts user to confirm if information is correct
13. System logs transaction
14. System displays the main menu

Expected Result:

- a) The System should display available flights between departure and arrival
- b) User selects a flight to reserve a seat for at step 6
- c) User successfully logs in to system
- d) User confirms information system at step 11

Title: Test Case 5

Purpose: Attempt to reserve seat with invalid username/password credentials

Input Scenario:

1. Selects the option "Reserve Seat".
2. Type departure: "Monterey"
3. Type arrival: "Los Angeles"
4. Type numbers of tickets: "3"
5. System will display information about flight "Otter101"
6. Select flight option: "Otter101"
7. System ask user to log in
8. Type username: A@lice55
9. Type password: @cSit100
10. The system displays error message
11. User confirms error message
12. Type username: A@lice55
13. The system displays error message
14. User confirms error message
15. The system displays the main menu

Expected Result:

- a) The System should display available flights between departure and arrival
- b) User selects a flight to reserve a seat for at step 6
- c) The System should display an error message at the step 10, making the user aware that the username / password is invalid.
- d) User confirms error message
- e) User attempts to log in with same credentials
- f) The System should display an error message at the step 10 and 13, making the user aware that the username / password is invalid and that the reservation was cancelled.
- g) System should display main menu

Title: Test Case 6

Purpose: Attempt to reserve seat with no seats available

Input Scenario:

1. Selects the option "Reserve Seat".
2. Type departure: "Monterey"
3. Type arrival: "Los Angeles"
4. Type numbers of tickets: "8"
5. System should display error message
6. User confirms error message
7. System returns user to Enter departure / arrival
8. System prompts user to enter information again

Expected Result:

- a) The System should display available flights between departure and arrival
- b) User selects to many tickets.
- c) System displays error message making user aware of the situation
- d) System displays the enter departure / arrival view and prompts user for new information

Title: Test Case 7

Purpose: Attempt to cancel reservation with valid credentials

Input Scenario:

1. Selects the option "Cancel Reservation".
2. System ask user to log in
3. Type username: A@lice5
4. Type password: @cSit100
5. System confirms valid information
6. System displays all user reservations
7. User selects a reservation to cancel
8. System prompts user to confirm cancellation of reservation
9. User confirms the cancellation
10. System logs the cancellation

Expected Result:

- a) User selects cancel reservation and the system prompts user to log in
- b) System checks user credentials and display users' reservations
- c) User selects a reservation to cancel and prompts for confirmation
- d) User confirms, and the system logs the cancellation, removing it from the user's reservations

Title: Test Case 8

Purpose: Attempt to cancel reservation with no reservations present

Input Scenario:

1. Selects the option "Cancel Reservation".
2. System ask user to log in
3. Type username: A@lice5
4. Type password: @cSit100
5. System confirms valid information
6. User has no reservations present
7. System informs user that there is no reservations connected to the user
8. User verifies message
9. System displays the main menu

Expected Result:

- a) User selects cancel reservation and the system prompts user to log in
- b) System checks user credentials and display users' reservations
- c) System display information message that the user has no related reservations
- d) User confirms information message
- e) System displays main menu

Title: Test Case 9

Purpose: Attempt to cancel reservation but user cancels the “confirmation” of cancel reservation

Input Scenario:

1. Selects the option “Cancel Reservation”.
2. System ask user to log in
3. Type username: A@lice5
4. Type password: @cSit100
5. System confirms valid information
6. System displays all user reservations
7. User selects a reservation to cancel
8. System prompts user to confirm cancellation of reservation
9. User cancels the cancellation
10. System inform user that cancellation has failed
11. User verifies message
12. System displays main menu

Expected Result:

- a) User selects cancel reservation and the system prompts user to log in
- b) System checks user credentials and display users’ reservations
- c) User selects a reservation to cancel and prompts for confirmation
- d) User cancels the confirmation
- e) System informs user that cancellation has failed
- f) User confirms message
- g) System displays main menu

Title: Test Case 10

Purpose: Successfully manage system (review log and ad flight)

Input Scenario:

1. Selects the option “Manage System”.
2. System ask system operator to enter credentials
3. Type username: !admiM2
4. Type password: !admiM2
5. System confirms valid information
6. System displays all transaction logs
7. System Operator selects “verify” to continue
8. System ask operator to add new flight to system
9. Operator selects “Yes”
10. System prompts operator to enter flight information
11. Type flight number: 308
12. Type departure: Monterey
13. Type arrival: Oslo
14. Type departure time: 05.00 AM
15. Type flight capacity: 69
16. Type price: \$350.00

17. System ask operator to confirm information if its correct
18. Operator confirms that information is correct
19. System displays main menu

Expected Result:

- a) User selects manage system
- b) System ask operator to enter credentials
- c) System validates credentials
- d) System displays log and prompts operator of next option
- e) Operator selects yes to add new flight
- f) Operator enter flight information
- g) System prompts operator to confirm information
- h) Operator confirms, and system displays main menu

Title: Test Case 11

Purpose: Attempts to manage system without any log information

Input Scenario:

1. Selects the option “Manage System”.
2. System ask system operator to enter credentials
3. Type username: !admiM2
4. Type password: !admiM2
5. System confirms valid information
6. System informs operator that there is no log information at the moment
7. Operator confirms
8. Operator select option “no”
9. System displays main menu

Expected Result:

- a) User selects manage system
- b) System ask operator to enter credentials
- c) System validates credentials
- d) System informs operator that there is no log
- e) Operator confirms and selects “no” to add new flight
- f) System displays main menu

Title: Test Case 12

Purpose: Attempts to manage system with invalid flight information

Input Scenario:

1. Selects the option “Manage System”.
2. System ask system operator to enter credentials
3. Type username: !admiM2
4. Type password: !admiM2
5. System confirms valid information
6. System displays all transaction logs
7. System Operator selects “verify” to continue

8. System ask operator to add new flight to system
9. Operator selects "Yes"
10. System prompts operator to enter flight information
11. Type flight number: 308
12. Type departure: Monterey
13. Type arrival: Oslo
14. Type departure time: 05.00 AM
15. Type price: \$350.00
16. System informs operator that information entered is not valid
17. Operator confirms the error message
18. System displays main menu

Expected Result:

- a) User selects manage system
- b) System ask operator to enter credentials
- c) System validates credentials
- d) System displays log and prompts operator of next option
- e) Operator selects yes to add new flight
- f) Operator enter flight information
- g) Operator forget to fill inn flight capacity
- h) System displays error message, making operator aware that information is not valid
- i) Operator confirms, and system displays main menu