

Object Oriented Analysis and Design with Software Engineering Laboratory

Subject Code: UE18CS355

Team - 8

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User Registration and Login Functionality (Implemented by Saiprakash L Shetty)

Test Case ID	Name of Module	Test case description	Pre-conditions	Test Steps	Test data	Expected Results	Actual Result	Test Result
UL_01	User Registration and Login Functionality	To test whether the registration operation is successful.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL.	Go to the New User page from the Homepage and enter the username and password.	Username - pesu123 Password - pesu@123	A dialog box with a message, "Thank you for registering" should pop up.	Performs as expected, to confirm successful registration a dialog box appears with a message, "Thank you for registering".	PASS
UL_02	User Registration and Login Functionality	To test whether the registration operation is successful	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Go to the New User page from the Homepage and enter the username and password	Username - saiprakashlaxmanshetty Password - pesu@123	A dialog box with a message, "Data Truncation: Data too long for column 'username' at row 1" should pop up	When the username is more than 20 characters the message "Data Truncation: Data too long for column 'username' at row 1" pops up, i.e. performs as expected	PASS
UL_03	User Registration and Login Functionality	To test whether the registration operation is successful	Install an IDE for Java, preferably NetBeans	Go to the New User page from the Homepage	Username - pesu123	A dialog box with a message, "Data Truncation:	When the password is more than 20	PASS

			and a Database Service such as MySQL	and enter the username and password	Password - saiprakashlaxmanshetty	Data too long for column 'password' at row 1" should pop up.	characters the message "Data Truncation: Data too long for column 'username' at row 1" pops up, i.e. performs as expected	
UL_04	User Registration and Login Functionality	To test whether a registered user can successfully login with the credentials.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Enter username and password to login to the system	Username -pesu123 Password - pesu@123	User should be able to successfully login to the system	Performs as expected and Login is successful thereby redirecting the users to the booking page.	PASS
UL_05	User Registration and Login Functionality	To test whether an unregistered user can login with the wrong credentials	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Enter incorrect username and correct password in the login page.	Username -pesu456 Password - pesu@123	Users should not be able to login to the system and a dialog box with a message, "Invalid Username" should pop up.	performs as expected	PASS
UL_06	User Registration and Login Functionality	To test whether registered user can login or not with the wrong credentials	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Enter correct username and incorrect password in the login page.	Username -pesu123 Password - pesse21	Users should not be able to login to the system and a dialog box with a message, "Invalid Password" should pop up	Performs as Expected	PASS
UL_07	User Registration and Login	To test functionality of "Go	Install an IDE for Java, preferably	After Successful /unsuccessful	Click on the "Go Back" Button	On clicking the "Go Back" Button after	Performs as expected and redirects to	PASS

	Functionality	Back” Button	NetBeans and a Database Service such as MySQL	registration, click on the “Go Back” Button.	after registration.	successful/unsuccessful registration the system must redirect the user to the Home Page	the Home Page	
UL_08	User Registration and Login Functionality	To test functionality of “OK” Button in the login page.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After successful Login, click on the “OK” Button.	Click on the “OK” Button after logging in.	On entering valid credentials and clicking on the “OK” the system must redirect the user to the Vehicle Selection Page	Performs as expected and redirects to the Vehicle Selection Page	PASS

Admin and Item List Functionality (Implemented by Akash Yadav)

Test Case ID	Name of Module	Test case description	Pre-conditions	Test Steps	Test data	Expected Results	Actual Result	Test Result
AL_01	Admin and Item List Functionality	To test the Login functionality of the admin page with the credentials of the admin.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL.	Enter the username and password of the admin to login to the admin account.	The username and password of the admin will be stored in the “ope table” in the “e_reservations” database. The credentials of the admin are: Username: naveen Password: naveen	On entering the valid credentials of the admin, the system must login successfully to the admin account	On entering the valid credentials, the system successfully logs in to the system, i.e. performs as expected	PASS
AL_02	Admin and Item	To test the Login	Install an IDE for	Enter the username	If there is no entry in the	The Admin Login page	The admin page is	PASS

	List Functional ity	functionality of the admin page with the credentials of the admin	Java, preferably NetBeans and a Database Service such as MySQL	and password of the admin to login to the admin account.	“ope table”, which must otherwise contain the username and password of the admin.	must be non editable and the textfield cannot be accessed	non editable and the text field for username and password cannot be accessed, i.e. performs as expected	
AL_03	Admin and Item List Functional ity	To check whether the login is unsuccessful when the username of the admin is incorrect.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Go to the Admin page and Enter the username and password of the admin to login to the admin account.	The username and password of the admin will be stored in the “ope table” in the “e_reservatio ns” database. The credentials of the admin are: Username: naveen123 Password: naveen	The admin login should fail because this particular username is not stored in the “ope table”. A message saying “Please enter a valid username or password”	Login fails as expected and the message “Please enter a valid username or password” is displayed.	PASS
AL_04	Admin and Item List Functional ity	To check whether the login is unsuccessful when the password of the admin is incorrect.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Go to the Admin page and Enter the username and password of the admin to login to the admin account.	The username and password of the admin will be stored in the “ope table” in the “e_reservatio ns” database. The credentials of the admin are: Username: naveen	The admin login should fail because this particular password is not stored in the “ope table”. A message saying “Please enter a valid username	Login fails as expected and the message “Please enter a valid username or password” is displayed.	PASS

					Password: naveen123	or password”		
AL_05	Admin and Item List Functional ity	To check whether admin can add a vehicle into the item list successfully	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Click on the “Add” Button to enter the vehicle details	The Admin must click on the “Add” button to add vehicles into the system.	Upon Clicking the “Add” Button, the system must redirect the admin to the add vehicle page.	Upon Clicking the “Add” Button, the system redirects the admin to the add vehicle page, i.e. it performs as expected.	PASS
AL_06	Admin and Item List Functional ity	To check if the entered vehicle name is a valid string or not.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging in from the admin credentials , go to the ADD option in the admin page.	At this point, enter a valid vehicle name such as: - Tata Safari	Since the name is a valid one(i.e less than 20 characters, the form should successfull y be submitted)	As expected, the vehicle name is accepted successful ly and updated in the database.	PASS
AL_07	Admin and Item List Functional ity	To check if the entered vehicle name is a valid string or not.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging in from the admin credentials , go to the ADD option in the admin page.	At this point, enter a invalid vehicle name such as: - Tata Maruti swift dzire Safari	Since the name is not a valid one(i.e more than 20 characters, the form should pop an error message)	As expected, the vehicle name is not accepted and an error message pops up.	PASS
AL_08	Admin and Item List Functional ity	To check if the entered vehicle number is a valid alphanumeric string or not.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging in from the admin credentials , go to the ADD option in the admin page.	At this point, enter a valid vehicle number such as: - KA09MJ563 4	Since the number is a valid one(i.e less than 10 characters, the form should successfull y be submitted)	As expected, the vehicle number is accepted successful ly and updated in the database.	PASS

AL_09	Admin and Item List Functionality	To check if the entered vehicle number is a valid alphanumeric string or not.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging in from the admin credentials, go to the ADD option in the admin page.	At this point, enter an invalid vehicle number such as: - KA09MJ5634456	Since the number is an invalid one(i.e greater than 10 characters, the form should pop an error message)	As expected, the vehicle number is not accepted and an error message pops up.	PASS
AL_10	Admin and Item List Functionality	Enter From-To details create travel details	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL.	complete the login into the system and fill the From-To in ADD form which is filled by admin	Enter 'From' place and 'To' destination. The length of both the strings should be less than 20 characters. From : Mumbai To: Delhi	On entering valid From and To details, the destination details must get updated	On entering valid From and To details, the destination details get updated .i.e., it performs as expected.	PASS
AL_11	Admin and Item List Functionality	Enter From-To details while booking	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	complete the login into the system and fill the From-To in ADD form which is filled by admin	Enter 'From' place and 'To' destination. The length of both the strings should be less than 20 characters. From : Mamungkukumpurangkuntjunya To: Venkatanarasimharajuvaripeta	Since the String length is an invalid one(i.e greater than 20 characters, the form should pop an error message)	As expected, the From-To details is not accepted and an error message pops up	PASS
AL_12	Admin and Item List Functionality	Enter Cost details while entering travel details	Install an IDE for Java, preferably NetBeans and a	complete the login into the system and fill the From-To	Enter Cost details. The cost should be less than or	Since the cost is valid the cost details for that particular	On entering valid cost details, the cost details get	PASS

			Database Service such as MySQL	in ADD form which is filled by admin	equal to 10000 Cost : 8000	car travel details must get updated	updated successfully	
AL_13	Admin and Item List Functionality	To test whether the Arrival Time and Departure Time entered is valid or not	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging into the admin page, enter the valid time for arrival time and departure time.	The Arrival Time and Departure Time inputs must be in the form: HH:MM:SS, i.e. hours, minutes and seconds. Arrival Time: 08:09:12 Departure Time: 03:05:30	The system must accept the arrival time and departure time input from the admin as it is in the right format	The system accepts the arrival time and departure time input from the admin as it is in the right format, i.e. it performs as expected.	PASS
AL_14	Admin and Item List Functionality	To test whether the Arrival Time and Departure Time entered is valid or not	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging into the admin page, enter the arrival time and departure time.	The Arrival Time and Departure Time inputs must be in the form: HH:MM:SS, i.e. hours, minutes and seconds. But, the inputs given are Arrival Time: 180:109:25 Departure Time: 888:895:30	The system must not accept the arrival time and departure time input from the admin as it is not in the right format	The system does not accept the arrival time and departure time input from the admin as it is not in the right format, i.e. it performs as expected.	PASS
AL_15	Admin and Item List Functionality	To test whether the Driver Name entered is valid or not	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging into the admin page, enter the valid Driver Name	The Driver name field input is "Dhanik Shetty".	The entered value for driver name must be accepted as it is less than 20 characters	The entered value for driver name is accepted as it is less than 20 characters, i.e. it performs	PASS

							as expected	
AL_16	Admin and Item List Functionality	To test whether the Driver Name entered is valid or not	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging into the admin page, enter the valid Driver Name	The Driver name field input is “Novak Rafael Nadal Djokovic”.	The entered value for driver name must not be accepted as it is more than 20 characters	The entered value for driver name is not accepted as it is more than 20 characters, i.e. it performs as expected	PASS
AL_17	Admin and Item List Functionality	To test whether the admin can delete the vehicle from the system or not	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Select the Delete option from the select form page to delete a vehicle.	Enter the vehicle number of the vehicle to be deleted.	If the vehicle number entered exists then the delete operation must take place or else deletion of vehicle must not be executed	The vehicle will be deleted successfully from the system if the vehicle entered is valid.	PASS

Ticket Booking and Payment Functionality (Implemented by Naveen Suresh)

Test Case ID	Name of Module	Test case description	Pre-conditions	Test Steps	Test data	Expected Results	Actual Result	Test Result
TP_1	Ticket Booking and Payment Functionality	To check whether the user can book the ticket	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging into your user account successfully, click on the Book Button	User must click on the Book Button upon successful login	The system must redirect the user to the reservation form to book his ticket	The system redirects the user to the reservation form to book his ticket, i.e. performs as expected	PASS

TP_2	Ticket Booking and Payment Functionality	To check if the user enters a valid journey date	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Enter a valid user date in the journey date text field	User must enter the journey date in the format(yy yy-mm-dd): 2021-05-15	The entered journey must be valid as it follows the format	The entered journey date is valid and the system proceeds with the booking process as expected	PASS
TP_3	Ticket Booking and Payment Functionality	To check if the vehicle number entered is valid and present in the database.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging into your user account successfully, click on the Book Button	The user enters the vehicle number that they desire to book, such as; KA09MJ5634	Since the entered number is valid(i.e <=10 characters)and it's match is found in the database, it should be accepted	The match is found and therefore this test case is accepted and the user moves on.	PASS
TP_4	Ticket Booking and Payment Functionality	To check if the vehicle number entered is invalid or not present in the database so that the booking becomes invalid.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging into your user account successfully, click on the Book Button	An invalid vehicle number is entered such as; KA09MJ563489	Since the entered number is invalid(i.e <=10 characters)and it's match is not found in the database, it's not accepted.	As expected, the vehicle number is not accepted.	PASS
TP_5	Ticket Booking and Payment Functionality	To check if the number of seats entered is valid.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	After logging into your user account successfully, click on the Book Button	The user enters the number of seats they want - 2,3,4 or 6	Since the entered number is valid(i.e <=6) , it should be accepted.	The seats are accepted and the booking phase carries on.	PASS
TP_6	Ticket Booking and	To check if the number of	Install an IDE for Java,	After logging into your	An invalid number of	Since the entered number is	The test case performs	PASS

	Payment Functionality	seats entered is valid.	preferably NetBeans and a Database Service such as MySQL	user account successfully, click on the Book Button	seats are entered - Such as 8	invalid(i.e ≥ 6) , it should not be accepted.	as expected and booking is not accepted.	
TP_7	Ticket Booking and Payment Functionality	To check if the system computes the cost appropriately	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Click on the “cost” button to compute the cost for your journey	The system must be able to generate the cost based on the input given in the “number of seats required” test field and the facility level.	The cost must be generated based on the input given in the number of seats field and facility level field.	The cost is generated based on the input given in the number of seats field and facility level field, i.e. it performs as expected	PASS
TP_8	Ticket Booking and Payment Functionality	To test whether the user can perform the payment operation	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Enter your name in the payment form	Enter the same name as given during reservation	The system must allow the user to proceed for payment if valid username is provided	The system allows the user to proceed for payment upon valid username	PASS
TP_9	Ticket Booking and Payment Functionality	To test whether the user can perform the payment operation	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL.	Enter your name in the payment form	Enter a different name to what was given during reservation	The system must not allow the user to proceed for payment if invalid username is provided	The system does not allow the user to proceed for payment with invalid username , performs as expected	PASS

TP_10	Ticket Booking and Payment Functionality	To test whether the user can perform the payment operation using credit or debit card or cash/cheque	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Enter the journey date and vehicle number in the text fields provided for the same	Enter the journey date in the format(yy yy-mm-dd) and a valid vehicle number in the respective fields	The system must proceed with they payment if the journey date and vehicle number is valid	The system proceeds with the payment, i.e. it performs as expected.	PASS
TP_11	Ticket Booking and Payment Functionality	To test whether the user can perform the payment operation using credit or debit card or cash/cheque	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	Enter the journey date and vehicle number in the text fields provided for the same	Enter the invalid journey date and vehicle number in the respective fields	The system must proceed with they payment if the journey date and vehicle number is invalid	The system must not proceed with the payment, i.e. it performs as expected.	PASS
TP_12	Ticket Booking and Payment Functionality	Vehicle Checking Dialog Window. To track vehicle details.	Install an IDE for Java, preferably NetBeans and a Database Service such as MySQL	In home page you can check about vehicle details by clicking Track Booking Details	Entering valid vehicle number i.e., given vehicle number was used booking before Vehicle Number : KA01EE1234	Since the vehicle number is valid and Show button is clicked Details regarding vehicles are displayed(Name,Vehicle no., Driver Name, From To, Departure, Arrival, Cost, Vehicle Name)	Details regarding vehicle booking are displayed (Name,Vehicle no., Driver Name, From To, Departure, Arrival, Cost, Vehicle Name) i.e., performed as expected.	PASS
TP_13	Ticket Booking and Payment Functionality	Vehicle Checking Dialog Window. To track vehicle details.	Install an IDE for Java, preferably NetBeans and a	In home page you can check about vehicle	Entering invalid vehicle number i.e., given vehicle	Since the vehicle number entered is not present in database,	Pop message saying ‘ Enter valid Vehicle	PASS

			Database Service such as MySQL	details by clicking Track Booking Details	number is not present in database, not been used before Vehicle Number : MP12QW 1110	when you click on 'Show' Button, a pop message saying 'Enter valid Vehicle number' shall be displayed	Number' is displayed i.e., performs as expected.	
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