SOFTWARE TEST Suite

for

TAAS

TAAS
Travel Agency Company

Version 1.0 approved

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1 LOGIN DETAILS()

1.1 LOGIN OF CUSTOMER:

1.1.1 REGISTRATION OF A CUSTOMER(Customer-Class)

If the user is new and logging in for the first time, he need to create an account first.
setPassword():
Description: Register the new customer. Set the password and the user name.
Activity done: Customer gives his/her details and we will store it in the database.
Checking to be done: After entering of the details if the user is able to login into the website then the database is storing the works perfectly.

1.1.2 LOGIN OF A CUSTOMER(Customer-Class)

If the user already have an account, then he can login directly.
checkPassword():
Description: Matches the credentials entered and take the user to his profile
Activity done: Customer enters the username and password and will be able to login to his/her profile.
Checking to be done: After entering of the details, the user will be able to see his profile showing data like previous journeys.

1.2 LOGIN OF ADMIN(Staff-Class):

1.2.1 REGISTRATION OF AN ADMIN(Customer-Class)

If the user is new and logging in for the first time, he need to create an account first.
setPassword():
Description: Register the new customer. Set the password and the user name.
Activity done: Customer gives his/her details and we will store it in the database.
Checking to be done: After entering of the details if the user is able to login into the website then the database is storing the works perfectly.

1.2.2 LOGIN OF AN ADMIN(Customer-Class)

If the admin already have an account, then he can login directly.
checkPassword():
Description: Matches the credentials entered and take the user to his profile
Activity done: Admin enters the username and password and will be able to login to his/her profile.
Checking to be done: After entering of the details, the admin will be logged in and will be able to see the various options.

2 CUSTOMERS()

2.1 SHOW CUSTOMER LIST(Staff-Class)

The admin can see all the users that have account in the company.
ListOfCustmrs():
Description: List all the customers associated with the company.
Activity done: Just click on the button to show list.
Checking to be done: You will see the list of all customers.

3 CARS AVAILABLE()

3.1 CAR INVENTORY(Staff-Class)

The admin will see the car owned by the company.
inventoryOfCars():
Description: List all the cars that are a property of the company.
Activity done: Just click on the button to show list.
Checking to be done: You will see the list of all cars purchased and not sold yet.

3.2 Add Car

inventoryOfCars():
Description : Add cars into the property list of the company.
Activity done: Click on the button and add the car's details such as model it's number and also the cost to buy that car.
Checking to be done: You will see the newly added car in the list of property owned by the company and also the increase in the expenditure by the company.

3.3 CHECKING THE CARS AVAILABLE(Customer-Class)

To show the list of cars available for rent.
ListOfCars():
Description: List of cars available for rent today.
Action done: Just click on the link provided to see the list.
Checking to be done(): The user must be able to see the list of cars available according to the changes made by the staff member and the ongoing bookings.

4 BOOKING CARS

4.1 BOOKING OF A CAR(Customer-Class)

If a customer wants to book a car for rent.
ListOfCars():
Description: Book a car according to your convenience.
Action Done: Click on your respective choice and it will direct you to the payment page where you will pay your amount.
Checking to be done: After these changes we must find the car we booked in the list of Booked Cars, and change in cars available. The next customer will not see this car in the list until we return it.

4.2 PAYING ADVANCE(Customer-Class, Staff-Class)

When a customer books a car, they have to pay advance.
payAdvance():
Description: Paying advance after booking a car.

Action Done: Select the amount to be paid and click on pay button.
Checking to be done: After the payment is done, it will be visible in the admin's profile also.

5 RETURNING CAR

5.1 RETURNING A CAR(Customer-Class,Staff-class)

After the journey is complete, the customer will return the car.
ListOfCars():
Description(ListOfReturnedCars()): After your work is done return the car.
Action Done: Enter the car you have returned and the time at which you have returned.
Checking to be done(ListOfCarsReady():) The staff must enter the car returned into the list of car's which are ready to use and it must also display the list of cars available for the customers. The statistics will also be stored.

5.2 COMPLETING THE PAYMENT(Customer-Class,Staff-class)

After the car is returned, the customer will make the full payment.
cmpltPay():
Description): Make the full payment, either pay extra or receive refund.
Action Done: Enter the amount if you have to pay extra, else you will automatically receive your refund.
Checking to be done: The staff will be able to see the change in the balance.

5.3 GIVING FEEDBACK(Customer-Class,Staff-class)

After the full payment, customer can give the review.
giveFB():
Description): Give review based on the experience.
Action Done: Give rating and write comment also.
Checking to be done: The rating will be stored in the database.

6 MAINTENANCE OF THE CAR

6.1 SENDING CAR FOR REPAIR(Staff - Class)

The admin will see which car need maintenance.
ListOfCars(), LisOfCarRepair():
Description: Enter the car you have to send for repair.
Action Done: Click on the link and enter the cars you want to send for repair along with the cost taking for each repair. **Checking to be done:** After entering the car you must see the change in list of cars available and also the increase in the budget happened for the maintenance of the car.

6.2 BRING CAR FROM REPAIR(Staff - Class)

The admin need to get back the car from servicing centre.
ListOfCars(), ListOfCarRepair():
Description: Select the car which have to fetch.
Action Done: Make the payment and get it back. **Checking to be done:** After receiving the car you must see the change in list of cars available.

6.3 SELLING OLD CAR(Staff - Class)

If a car is in very bad condition, the admin can sell it.
ListOfCars(), ListOfCarSold():
Description: Enter the cars you have sold.
Action Done: Clicking on the link it will see the list of cars and we can remove the car we want to sell based on it's number by clicking the delete option.
Checking to be done: After removing the desired car it must be removed from the list available and the money obtained must be added to the profits.

7 STATISTICS

7.1 ANALYSING SALES(Staff-Class) :

The admin will analyse, which car is ordered more frequently and which car has low maintance cost.
invntryOfCars(), Statistics():
Description: Expenses and profits.
Action Done: After clicking on that we will go into the portal where we observe the list of money for maintenance and the money got from business.
Checking to be Done: This must match with calculations which is done manually, and the expenses must be shown in a clear manner.

7.2 SET CAR RENT(Staff-Class) :

The admin will analyse the sale and can change rent for cars.
ListOfCars(), setRent():
Description: Change car rent.
Action Done: Select the car and enter the new rent.
Checking to be Done: The new rent will be visible to the customer and the admin as well.

8 Input and Outputs

Register

User Name	User Id	password	Type	output
Atishay Jain	C1	abc@321	Customer	Successful registration
Heamanth Rao	A1	12@34	Admin	Successful registration
Venkata Sai	C2	abc@124	Customer	Successful registration

Customer Login

User Name	User Id	password	output
Atishay Jain	C1	abc@321	Welcome
Venkata Sai	C2	abc@123	incorrect password
Heamanth Rao	A1	12@34	Not registered

Administrator Login

User Name	User Id	password	output
Heamanth Rao	A1	12@34	Welcome
Venkata Sai	C2	abc@123	Not registered
Atishay Jain	C1	abc@321	Not registered

Add Car

Model	Count	AC/Non-AC	Output
Honda City	2	AC	Successfully Added
Tata Sumo	3	Non-AC	Successfully Added
Maruti Omni	1	AC	Successfully Added
Scorpio	2	Non-AC	Successfully Added
Santro	2	AC	Successfully Added

List Cars (Admin)

Model	AC	Non AC
Honda City	2	0
Tata Sumo	0	3
Maruti Omni	1	0
Scorpio	0	2
Santro	2	0

List Cars (Customer)

Model	AC	Non-AC	Rating	Rent(/hr)	Rent(/km)
Honda City	✓	✗	3.9	100	10
Tata Sumo	✗	✓	4.2	200	15
Maruti Omni	✓	✗	4.5	150	12
Scorpio	✗	✓	4.5	160	11
Santro	✓	✗	4.5	120	10

Book Car

Model	Type	Advance Payment Status	Output
Maruti Omni	AC	✓	Booked
Tata Sumo	AC	✗	Not Booked

List Customers

Customer Name	Customer Id
Venkata Sai	C1
Atishay Jain	C2
Amitabh Bachan	C3
Akshay Kumar	C4
⋮	⋮

Returning Car

Car Number	Model	Type	Refund(+)/Pay(-)	Give Feed back
UP-20-C-3648	Maruti Omni	AC	-300	4.5

...(After many bookings)

Statistics

Model	AC Count	Non-AC Count	Revenue	Petrol Consumption	Rating
Honda City	1	0	1000/-	10 lts/ 100kms	4.1
Tata Sumo	1	2	1500/-	13 lts/ 100kms	4.0
Maruti Omni	1	0	1700	8 lts/ 100kms	3.9
Scorpio	0	2	1500	12 lts/ 100kms	4.2
Santro	2	0	5000	11 lts/ 100kms	3.9

Send Car to repair

Car Number	Model	Type	Kms Driven	Repair
AP-10-A-1234	Honda City	AC	100	-
AP-11-B-7890	Tata Sumo	Non-AC	500	-
UP-20-C-3648	Maruti Omni	AC	170	-
UP-32-D-6545	Scorpio	Non-AC	600	✓
AP-23-E-2346	Santro	AC	140	-

Remove Old Car

Car Number	Model	Type	Revenue	Petrol	Rating	Remove
AP-10-A-1234	Honda City	AC	13000/-	11 lts/ 100kms	3.9	✓
AP-11-B-7890	Tata Sumo	Non-AC	16000/-	13 lts/ 100kms	4.1	-
UP-20-C-3648	Maruti Omni	AC	17000/-	8 lts/ 100kms	4.5	-
UP-32-D-6545	Tata Sumo	Non-AC	15000/-	12 lts/ 100kms	4.2	-
AP-23-E-2346	Tata Sumo	AC	14000/-	11 lts/ 100kms	4.3	-

Return Car from repair

Car Number	Model	Type	expenditure
UP-32-D-6545	Tata Sumo	Non-AC	12500

...(After many bookings)

Statistics

Model	AC Count	Non-AC Count	Revenue	Petrol Consumption	Rating
Tata Sumo	1	2	15000/-	15 lts/100kms	4.2
Maruti Omni	1	0	17000	19 lts/100kms	4.5
Scorpio	0	2	16500	18 lts/100kms	4.2
Santro	2	0	18000	20 lts/100kms	4.3

Set Rent

Model	Type	Old rent	new rent
Honda City	A.C	5000	6500
Tata Sumo	Non-A.C	4500	4000
Maruti Omini	A.C	1900	2000
Scorpio	Non-A.C	7500	7500
Santro	A.C	4000	4200