

Transactions performed by a customer [18 marks]

- View the number of available vehicles for a specific car type, location, and time interval.
 - [2 marks] Query is correct
 - [4 marks] Any subset of {car type, location, time interval} can be provided to view the number of available vehicles
 - [2 marks] The details of vehicles are shown when the user clicks on the number of available vehicles
- Make a reservation.
 - [2 marks] Query is correct
 - [2 marks] If a customer is new, add the customer's details to the database. (You may choose to have a different interface for this).
 - [4 marks] Upon successful completion, a confirmation number for the reservation should be shown along with the details entered during the reservation.
 - [2 marks] If the customer's desired vehicle is not available, an appropriate error message should be shown.

Transactions performed by a clerk [36 marks]

- Renting a Vehicle
 - [2 marks] Query is correct
 - [4 marks] The system will display a receipt with the necessary details.
 - [2 marks] System can handle the case where a reservation was NOT made prior to renting
- Returning a Vehicle
 - [2 marks] Query is correct
 - [4 marks] When returning a vehicle, the system will display a receipt with the necessary details (e.g., reservation confirmation number, date of return, how the total was calculated etc.) for the customer.
 - [2 marks] Only a rented vehicle can be returned
- Generate a report for (the TA will check the query that generates each of these reports):
 - Daily Rentals
 - [2 marks] Query is correct
 - [2 marks] Required information is displayed
 - Daily Rentals for Branch
 - [2 marks] Query is correct
 - [2 marks] Required information is displayed

- Daily Returns
 - [2 marks] Query is correct
 - [2 marks] Required information is displayed
- Daily Returns for Branch
 - [2 marks] Query is correct
 - [2 marks] Required information is displayed
- [4 marks] TAs will randomly test one of the following situations for error handling:
 - Daily Rentals for a branch that does not exist
 - Daily Returns for a branch that does not exist
 - Returning a non-rented vehicle
 - Returning a rented vehicle twice once after another
 - Renting an already rented vehicle
 - Entering the details of the same vehicle twice
 - Renting a vehicle as an existing customer
 - Renting a vehicle as a new customer
 - Reserving a vehicle that does not exist or is unavailable
 - Completing a reservation without all the required information
 - Searching for a reservation with the wrong confirmation number
 - Viewing available vehicles during a time period that does not make sense (e.g., if I try to view available vehicles during the 1700s, what should happen? Each team can choose a reasonable way to handle this including showing an error message that the time period is not valid, showing an empty list, etc.)

Database Manipulations [14 marks]

- [2 points] There is some way to view all the tables in the database
- [3 points] There is a way to add data to a particular table in the database
- [3 points] There is a way to delete data to a particular table in the database
- [3 points] There is a way to update data to a particular table in the database
- [3 points] There is a way to view the data in a particular table in the database

GUI [10 marks]

- [2 marks] Interface is easy to use
- [4 marks] Input prompts/labels/buttons are labeled so that the user knows what to do
- [2 marks] Error messages are clear and indicate what is wrong
- [2 marks] Information displayed to the user is clear and well organized

Demo [15 marks]

- [3 marks] Team is prepared and on time
- [2 marks] Team can provide the TA with resources that demonstrate the state of the database (i.e., what data is/is not there) and are clear any extra pieces of information needed to understand the presentation (e.g., if there is a calculation involved, how is that calculation derived, what values are used as constants, etc.)
- [10 marks] Team has a logical, controlled flow to the presentation (i.e., the demo shows the features of the project in a logical way)