

Project Brief

Kittoch Car Hire is a small car rental company which operates out of Glasgow and Prestwick Airports. As a result of expansion they wish to implement a new computer system which will keep track of their fleet, customers and bookings.

There are four principal datasets, each of which holds the information shown below. Each dataset is stored as a sequential file which is read into memory and used to construct an appropriate data structure at the start of processing. Any new or amended data is written back to file when a session is completed.

Vehicle	Customer	Booking	Employee
Vehicle Id	Customer Id	Booking Id	Employee Id
Make	Password	Customer Id	Password
Model	Gender	Car Id	Gender
Category	Forename	Booking Date	Forename
Passengers	Surname	Start Date	Surname
Capacity	Date of Birth	Start Time	Date of Birth
Fuel	Licence Number	Return Date	Licence Number
Date of Purchase	Street	Return Time	Street
Availability	Town	Pickup Location	Town
Cost Per Day	Postcode	Dropoff Location	Postcode
	Phone		Phone

There are two major modes of operation: Customer Mode and Staff Mode. **Customer Mode**

A new customer is required to set up an account by entering their details before using the system. A returning customer can log on by entering their Customer Id and Password. Customers can amend their details, cancel their account, search for availability of cars and make, amend or cancel bookings.

Staff Mode

Staff can add, delete or amend Employee, Vehicle, Customer or Booking details. You have been tasked with developing the software component which handles Staff Mode. Other learners will develop the remaining component(s) of the software.