1. Identify the system actors and goals. (1 mark)

Admin Staff - Update system
Managers - Generate Weekly Report
Customer - Rent car
QBEI Insurances - Provide insurance.
Card Payment System - Process payment.

3.

Use Case: Customer Renting a Car
Brief Description: Customers can rent cars online. Initiating Actor: Customer Actor's goal: To rent a car Participating actors: QBEI Insurances, Card Payment System. Flow of events: -> 1. Customer inputs their search requirements for a car. <- 2. System tells customer which cars are available. -> 3. Customer chooses, adds additional details, books <- 4. QBEI Insurance provides insurance. <- 5. System tells customer net price of rental and pays for a car. -> 6. Customer pays for booking. <- 7. External payment system handles payment. <- 8. Confirmation email is sent to customer.

Task 2
Part 1

User	
- Knows user details	- Customer - Staff - Insurer - Login

Customer (user)	
- Knows **Booking** dates - Knows age - Knows if they require insurance - Knows Email - Enters details into **Booking** - Enters **Search** details	- Car - Search - Payment - Insurer - User - Booking

Staff (user)	
- Knows password - Knows username	- Manger - Admin - User

Manager (staff)	
- Creates **Reports**	- Reports - User

Admin (staff)	
- Enters **Car** details	- Cars - User

Insurer (user)	
- Interacts with **Booking** - Provides insurance quoted	- Login - Customer - Booking

Login	
- Checks **Users** are registered - Returns user type permissions	- User

Car	
- Knows VehicleType - Knows Make - Knows Model - Knows Year - Knows Registration - Knows Rental status - Knows Location	- Search - Admin - Insurer - Booking

Search	
- Takes search from **User** - Knows **User** details - Knows Pick up location - Knows Drop off location - Returns **Cars** with available rental status	- Car - User

Payment	
- Takes input from **Customer** - Knows **Booking** details - Knows credit card details	- Customer - Booking

Booking	
- Takes input from **User** - Provides data to **Payment** - Provides **User** details to **Insurer**	- User - Payment - Insurer

Reports	
- Takes input from **Manager** - Knows **Car** details	- Manager