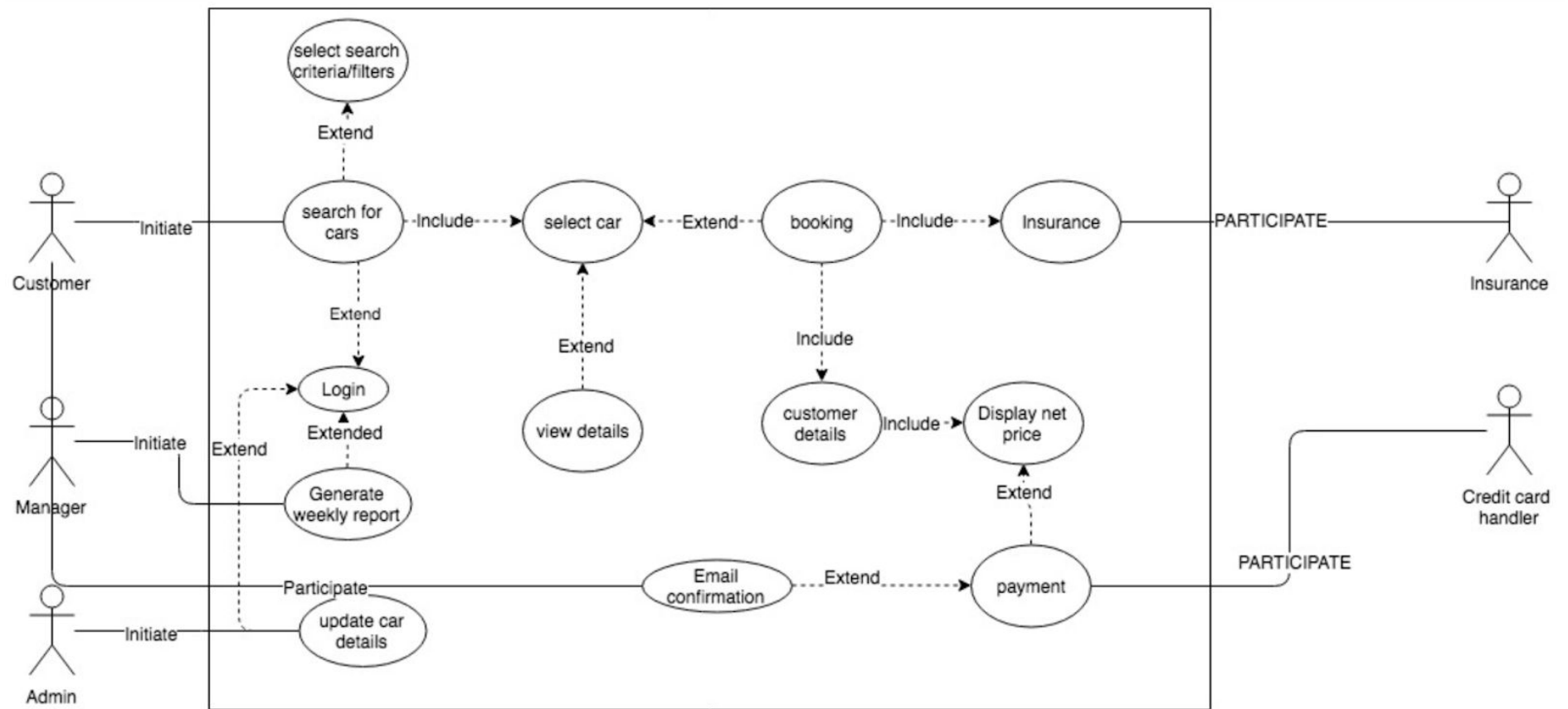


Part 1:

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

Actors	Goals
Admin	<ul style="list-style-type: none">- Able to login with admin functions- Able to enter new car information into the system
Manager	<ul style="list-style-type: none">- Able to login to generate weekly reports
Customer	<ul style="list-style-type: none">- can provide credit card details- can view net price- can enter personal details- can select a car from search- can view the details such as price and type of car- can search cars by filter
QBEl Insurance	<ul style="list-style-type: none">- Provide insurance for the customer and be remunerated for the service
External Credit Card System Handler	<ul style="list-style-type: none">- Provide a means for the customer to enter bank details and submit a payment



3. Specification for the main usage scenario

Use-case name; Search for cars to rent by filter

Brief description; The customer can enter certain search criteria to filter out car options, depending on what sort of car they are wishing to rent. These include age, make, model and preferred pick-up and drop-off locations. The customer then selects the criteria by pressing drop down buttons to be redirected to a new page viewing the filtered cars.

Initiating Actor; Customer

Actor's goal; To rent a car that satisfies the customer's preferences and rental time frame so that the customer may transport efficiently.

Participating actors; Customer

Flow of events;

Enter preferred qualities of car by selecting each respective button → confirm search criteria → redirect to page showing filtered results of each car

Part 2:

1. CRC Cards

Customer	
<i>Knows Name</i> <i>Knows Age</i> <i>Knows Licence number</i> <i>Knows Email-address</i>	Credit Card Handler Insurance Provider System - Car information

System - Car information	
<i>Knows Make</i> <i>Knows Model</i> <i>Knows Price</i> <i>Knows Year</i> <i>Knows Size</i> <i>Knows Registration Number</i> <i>Knows Colour</i> <i>Knows Location</i>	Customer Admin

Admin	
<i>Knows username</i> <i>Knows password</i> <i>Enters new car information</i>	System - Car information

Manager	
<i>Generates Weekly reports</i>	

Weekly Report	
	Manager

Credit Card Handler	
<i>Provides a means for the customer to enter bank details</i> <i>Submit a payment</i>	Customer

Insurance Provider	
<i>Provide insurance for the customer</i>	Customer

2. UML Conceptual class diagram

