## SE321 - Object Oriented Analysis & Design Spring 2023 Assignment - 01 Writing Use-cases

Due Date: 31st March 2023

## Case 1

What should be the name of use case?

Write a high-level use case ...

Mr Hamid (the customer) comes to Bank and talks to the bank loan officer for a loan. Bank loan officer opens the BankLoan Application System. BankLoan Application System opens a new Loan Application form. Officer asks customer about his account number in branch, his income details, his job details and amount required for the loan and duration. System records all information and issues a new loan application number that loan officer shares with the customer. He then advises the customer to come tomorrow, as loan application review take 24 hours.

	Use case Name		
	Primary Actor		
	Supporting Actor		i d i i i i
	Overview		
to HRSy compar	the Human Resources mays to update it and then shay of the change.	nager and wants to change the job code of an employee. To do this she wo e would use telephone to update the several other department heads wi	ould use thin the
write a	high-level use case Use case Name		]
			1
	Primary Actor		

## Case 3:

Samad is the owner of CarRent and wants a software system to be developed for company to manage its car rental service. A typical transaction that he wants to be recorded by the proposed system is the reservation of car by customers. The process to reserve the car would be as such that the customer comes to the office and reserve the car for a particular duration. Officer at CarRent discuss the car and checks the system. The system presents a list of available cars with reg number, make, model and rent rate per day. Officer reserve the customer's choice by entering the reservation dates. System asks the customer details for making reservation. Officer provides customer's name, cnic, and address. System calculates the rental charges based on rates, 7 day = 1 Week and 4 Weeks = 1 month), advance rent payment, and security deposit and records it along with reservation details. System generates a reservation slip that is printed and handed over to customer.

Identify use case and actors from the above given case study. Write an expanded use case in essential form.

Name of Use Case:	
Actor(s)	
Pre-Conditions:	
Post-Conditions:	
Main Success Scenario	
Extensions/Alternative Scenario(s)	 
Extensions/Aiternative Stenario(s)	 

## Case 4:

Harry is the owner of HarryTools, a rental store that rents Home Improvement Tools (Hammers, Drills etc....) to people for their DIY (do-it-yourself) projects. HarryTools wants to get a software system made for managing its rental records. He wants to system to record tool rentals, customer detail, and payments.

Usually, a customer selects a tool (or many tools) from display and brings it to Harry to rent out. Harry would use system to record rentals. Harry asks customer for duration of the rent period (in days) and enters the days along with tool identifier into system for each tool. System displays rental charges starting from today after calculating it (based on rates, 7 day = 1 Week and 4 Weeks = 1 month), advance rent payment, and security deposit (Security deposit is based on tool's price recorded in the system). Once customer agrees to terms, Harry enters customers' name, address and social security number in the system. System verifies the customer social security number from **USSEC** database (external). USSEC provides name, address on record that is matched by System. Upon match, system approves rental and issues a rental receipt with date to return, amount to pay. System also prints a rental agreement with terms & conditions. Harry request's the customer to make payment and sign rental agreement. Harry uses the system to record the payment and files the rental agreement. Customer then leaves the shop with his rented tool(s).

Identify use case and actors from the above given case study. Write an expanded use case in essential form.

Name of Use Case:	
Actor(s)	
Pre-Conditions:	
Post-Conditions:	
Main Success Scenario	

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Extensions/Alternative Scenario(s)	
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