

CSE 317 – Software Design with UML Lab

Study exercise on UML Structural Diagrams

Diagrams Name:

Purpose:

Notations Used:

Role specifications of Notations:

Relationships & its Notations:

Study exercise on UML Behavioral Diagrams

Diagrams Name:

Purpose:

Notations Used:

Role specifications of Notations:

Relationships & its Notations:

Use Case Diagram

Problem Statement / Case Study

Aim

Objective

Scope

Tools Used

Identified Use Cases

Use Case Name:

Functionality of the Use Case:

Preconditions (if any):

Post Conditions (if any):

Flow:

Alternate Flow (if any):

Identified Actors

List of Actors and its Role

Identified Relationships

List of Stereotype, Tagged Value, Constraints Used:

Procedure (Step by Step Process of Creation)

Use Case Diagram (Print outs of Diagrams Created using Rational Rose) – Paste it on the Left side of the Record Note

Flow of actions / communication:

Deliverables

Results:

Ex.No.	Date	List of Experiments	Page No.
1		Study exercise on UML Structural Diagrams	
2		Study exercise on UML Behavioral Diagrams	
3		Software Requirement Specifications for Course Registration System	
4		Traceability Matrix, Use Case Template and Use Case Diagram for Course Registration System	
5		Interaction Diagram – Sequence Diagram for Zoom Car Booking	
6		Interaction Diagram – Sequence Diagram for Rental Car Booking	
7		Interaction Diagram – Collaboration Diagram for Car Parking Assistance	
8		Class Diagram for Pay Roll System	
9		Class Diagram and Component Diagram with Forward and Reverse Engineering using Java Environment for Online Book Store	
10		Activity Diagram for Coffee Dispenser / Soft Drink Dispenser	
11		State Machine Diagram for Traffic Signal Control System	
12		State Machine Diagram for Lift Operation System	
13		State Machine Diagram for Course Registration System	
14		Deployment Diagram for Traffic Signal Control System	
15		Deployment Diagram for Lift Operation System	
16		Package Diagram for Payroll System	
17		Creation and Design of Patterns	
18		Mini Project - Software Design with UML Diagrams	

Aim

To model the "Course Registration System" using Use Case Diagram