

Ex.No.6

UML Sequence Diagram

Aim: Using the identified scenarios, find the interaction between objects and represent them using UML Sequence diagrams.

Prerequisites :

some basic understanding of UML **interaction diagrams**

Input: Problem Statement

Output : UML sequence Diagram

Apply the following concepts in sequence diagram

1. Lifeline Boxes and Lifelines

Messages

2. Focus of Control and Execution Specification Bars

3. Illustrating Reply or Returns

4. Messages to "self" or "this"

5. Creation of Instances

6. Object Lifelines and Object Destruction

7. Diagram Frames in UML Sequence Diagrams

8. Looping

9 Conditional Messages

10. Conditional Messages in UML

11. Mutually Exclusive Conditional Messages

12. Iteration Over a Collection

13. Nesting of Frames

14. Messages to Classes to Invoke Static (or Class) Methods

15. Polymorphic Messages and Cases

16. Asynchronous and Synchronous Calls