ASSIGNMENT NO: 5

Aim: Object Oriented Analysis and design using UML diagrams: Sequence diagram to show message exchanges, using Open Source Tool.

Problem Statement :

<<Students should write the problem statement assigned to them>>>

The tasks we have to do are:
1. You will have to identify the main entities (objects) for this system.
2. You will have to find out the relationships between these objects for sequence diagram.
3. You will have to find the necessary attributes and functions that need to be associated with each object to implement the functionality mentioned above.
4. You will make a final comprehensive diagram show and all objects and their message passing with data flow.

Objectives
1. To learn the relationships and notions of Sequence diagram.

Theory:
1. **Sequence Diagram:**

   ● Describe Sequence diagram

   ● Explain the different notations of Sequence diagram

Following are the notations used to draw UML diagrams. It is added here for reference.

Notations	Description	Syntax

Platform: Microsoft Windows 7, Open Source draw.io tool or any UML design tool.
Input: Problem statement scenario.
Output: Printout/Softcopy of Sequence diagram.

Conclusion: Hence, I learned to draw Sequence diagrams.

FAQs:
1. Give the significance of dynamic diagrams in UML.
2. Explain any 2 terminologies used in Sequences diagrams.
3. Explain the message passing in Sequence diagram.
4. Draw the Sequence diagram for the following scenario:
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