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EXPERIMENT 4

Aim :

Draw Collaboration Diagram for the problem statement.

Theory :

What is Collaboration Diagram?

A Collaboration Diagram also known as Communication Diagram offers the same information as a Sequence Diagram, but while a Sequence Diagram emphasizes the time and order of events, a Collaboration Diagram emphasizes the messages exchanged between objects in an application. Collaboration Diagrams offer the broader perspective within a process.

Benefits of Collaboration Diagram:

- Model the logic of a sophisticated procedure, function, or operation.
- Identify how commands are sent and received between objects or components of a process.
- Visualize the consequences of specific interactions between various components in a process.
- Plan and understand the detailed functionality of an existing or future scenario.

Collaboration Diagram Symbols and Notation:

- **Rectangles** represent objects that make up the application.
- **Lines** between class instances represent the relationships between different parts of the application.
- **Arrows** represent the messages that are sent between objects.
- **Numbering** lets you know in what order the messages are sent and how many messages are required to finish a process.

Collaboration Diagram for **University Management System :**