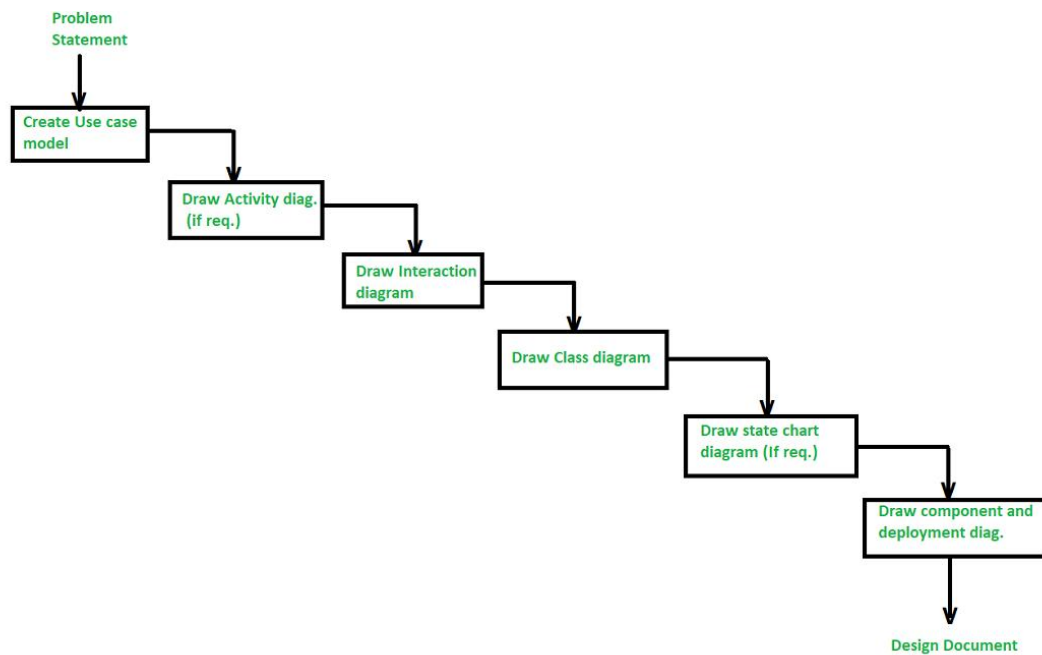


QUESTION 1 part A



1. **Identify the actors:** The first step is to identify the actors involved in the system. Actors are the entities that interact with the system. They can be users, devices, or other systems.
2. **Create a use case diagram:** Once the actors are identified, create a use case diagram that shows the interactions between the actors and the system. A use case diagram is a visual representation of the system's functionality.
3. **Create an activity diagram:** An activity diagram shows the flow of control in the system. It demonstrates how the system responds to events and how it processes data.
4. **Create an interaction diagram:** An interaction diagram shows the communication between objects in the system. It demonstrates how objects collaborate to achieve a specific task.
5. **Create a class diagram:** A class diagram shows the structure of the system. It demonstrates the classes in the system, their attributes, and their relationships.