

IT314

L A B 0 5



Activity Diagrams

Group-20

# **Modeling Requirements into Activity Diagram**

- ❖ **Identify the activities, actions, and conditions for each of the sprints.**

## **Sprint 1: User Login and Registration**

- **Activities:**
  - Design user registration and login screens.
  - Define user roles and permissions.
  - Plan for data security and user authentication.
- **Actions:**
  - Develop user registration functionality.
  - Implement user login and authentication.
  - Test the user registration and login processes.
- **Conditions:**
  - User registration and login screens are designed.
  - Authentication mechanisms are in place.

## **Sprint 2: Functionalities**

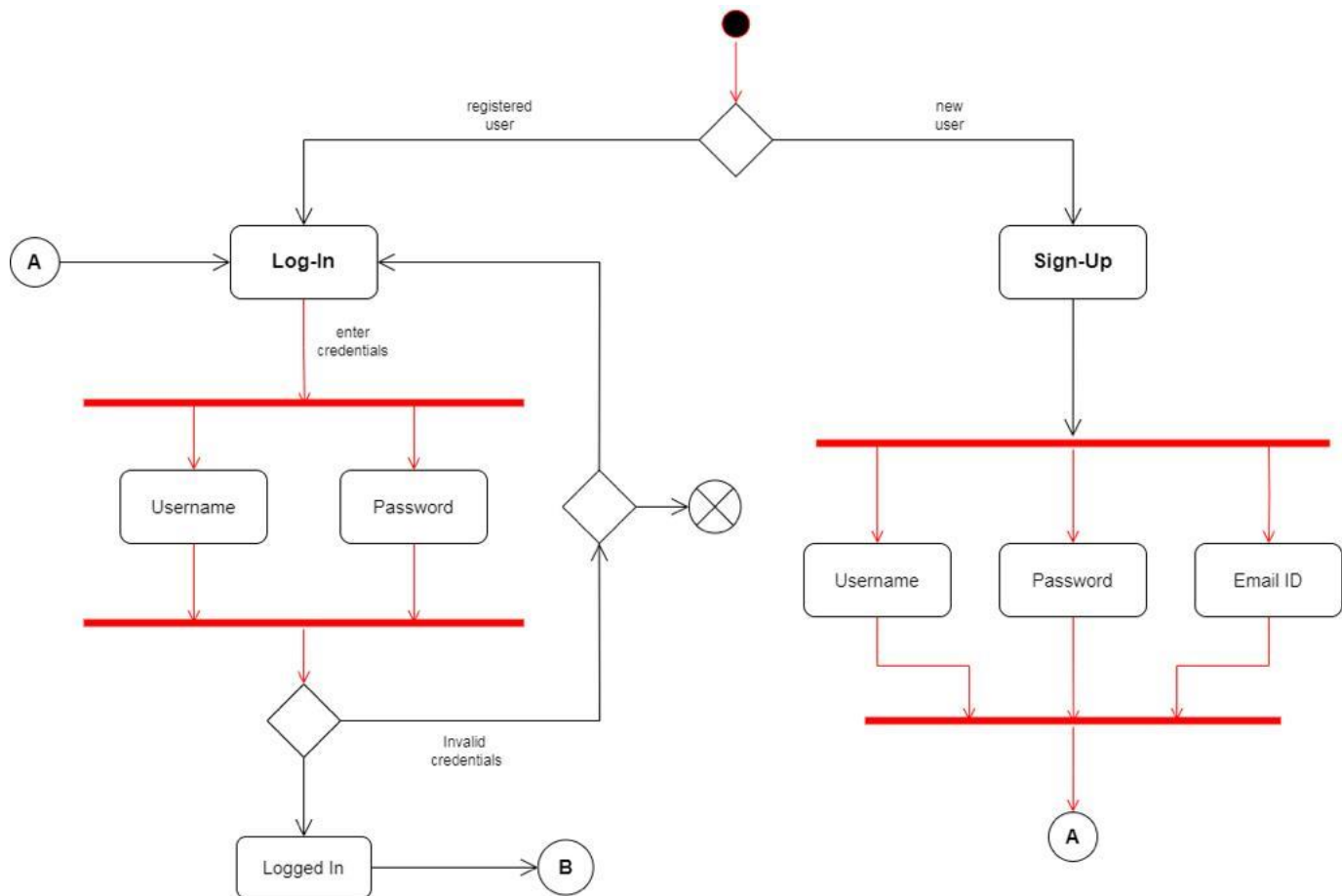
- **Activities:**
  - Design user interfaces for accessing fee receipts (of a particular semester).
  - Design a user interface for submitting requests.
  - Implement an interface for requesting visitation permission for guardians.
- **Actions:**
  - Develop functionalities for accessing fee receipts
  - Develop functionalities for requesting visitation permission
  - Develop functionalities for submitting requests
  - Implement all these functionalities
  - Test these functionalities
- **Conditions:**
  - Clear structural flow and design of these functionalities are ready

### Sprint 3: Managing user account

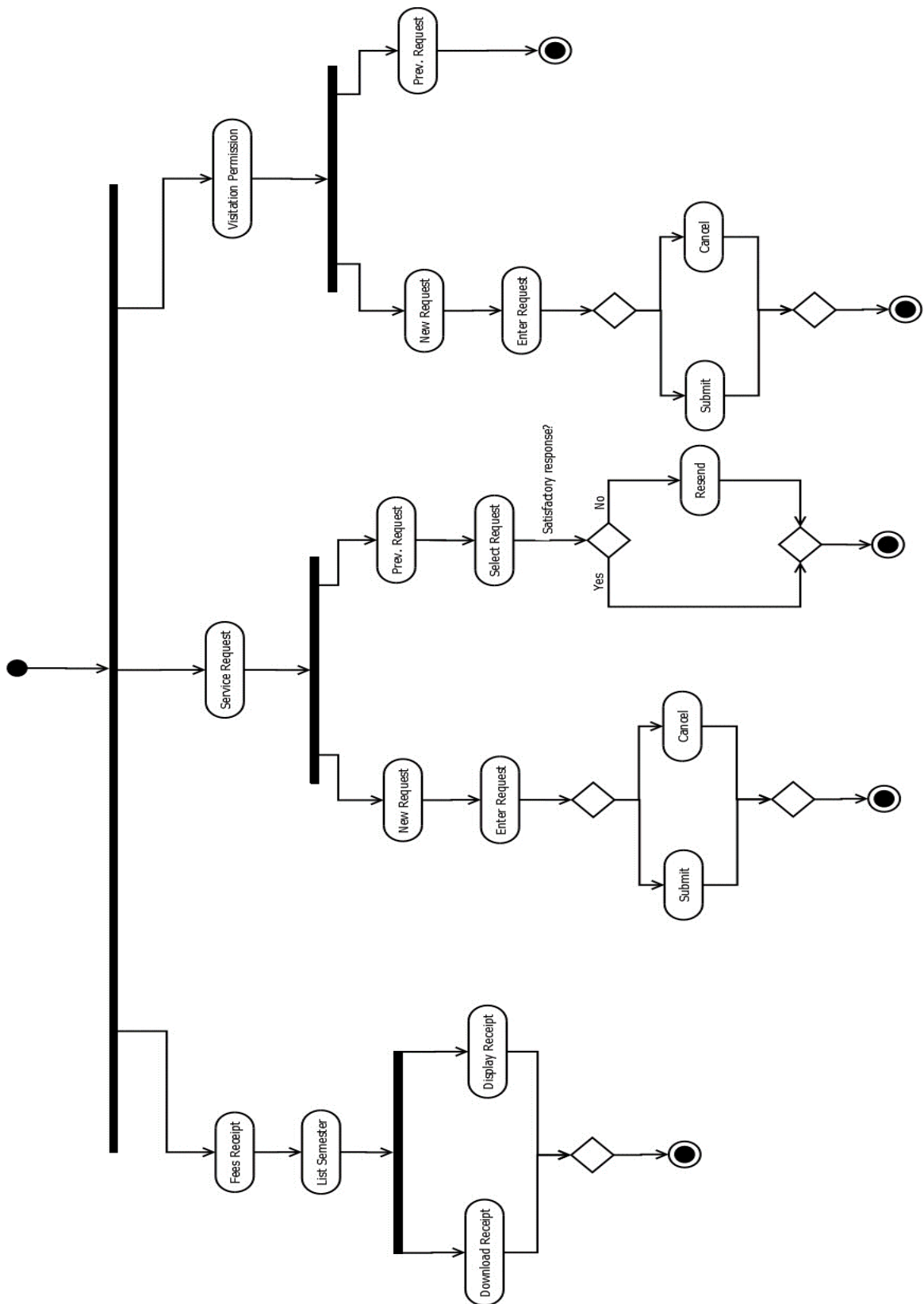
- Activities:
  - User Account Settings
  - Allow users to update their account settings (e.g. password, email)
  - Room Details
  - Display the user's current room number
  - Display the user's current roommates
  - Support and Help
  - Provide emergency contact details
  - Broadcast Notice Board
- Actions:
  - Display confirmation on receiving requests.
  - Send an email to the user once a decision is made pertaining to their requests.
- Conditions:
  - Only the user should be able to access and modify these details (security concerns should be catered to).
  - The user should be promptly notified of the status of their requests (whether the request is submitted or not, whether the request is answered or not).

❖ Develop the activity diagram for each of the sprints.

### Sprint 1: User Login and Registration



## Sprint 2: Functionalities



### Sprint 3: Managing user account

