

IT314 Software Engineering
Lab Session V - Modeling Requirements into Activity Diagram
Group 12

For the course project assigned to you, do the following tasks:

(1) Identify the activities, actions, and conditions for each of the sprints.

Sprint 1: User Registration and Login

- 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: Mobile Recharge Functionality

- Activities:

Define the process flow for mobile recharge.

Design user interfaces for recharging mobile accounts.

Identify supported mobile operators and payment gateways.

- Actions:

Implement mobile recharge functionality.

Integrate with payment gateways.

Test mobile recharge transactions.

- Conditions:

The recharge process flow is documented.

Payment gateways are integrated successfully.

Sprint 3: User Account Management

- Activities:

User Account Settings

Allow users to update their account settings (e.g., password change, email change)

Account Balance

Display user's current account balance

Allow users to add funds to their account

Support and Help

Provide customer support contact information

FAQs and help resources

Notifications

- **Actions:**

Send email or SMS notifications for successful recharges

Allow users to manage notification preferences

- **Conditions:**

The account balance should be updated accurately after each recharge.

User account settings should follow security best practices.

(2) Develop an activity diagram for each of the sprints.





