IT-314 Software Engineering

Lab Group : 4

Group No : 22

Topic : Student Information System

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

- Activities:

Register

Login as student

Login as faculty

Login as Administrator

Select action from dashboard

Logout

- Actions :

Login as Student

Visit main page

Visit profile section

Edit Profile

View Attendance

Enrol course

Drop Course

View Grade Card

Get Fee Receipt

Get Transcript

Change the Password

Forgot password

View Time-table

Visit Faculty Page

View Announcements

Login as Faculty

View main page

Visit Profile

Edit Profile

View offered Courses and Students who enrolled in that course

Update Attendance

Update Grades

Login as Administrator

Register for Student

Check validity of Details for Registration

Confirm Registration

Generate id for student

Generate ID and password for student

Add a New course

Enter details of new course

Check validity of adding a new course

Confirmation of added course

Create an Announcement

Set Parameters for an Announcement

Publish Announcement

Send Notification

- Conditions :

If a user enters the wrong credentials then a convenient error message will be displayed and the user will return to the login page.

If a user enters valid credentials then the page will redirect to the Home Page.

If the user gives invalid details such as email id, Contact No. for Registration then the page is redirected to the Registration page.

If the user gives valid details such as email id, Contact No. for Registration then the administrator will generate a new student ID and password and add it to the database.

If a student enrolled course is not available then students should have to choose other course.

Students must re-enter their passwords if they enter the incorrect password during the password-changing process.

The password will be updated if the student enters the correct password during password change.
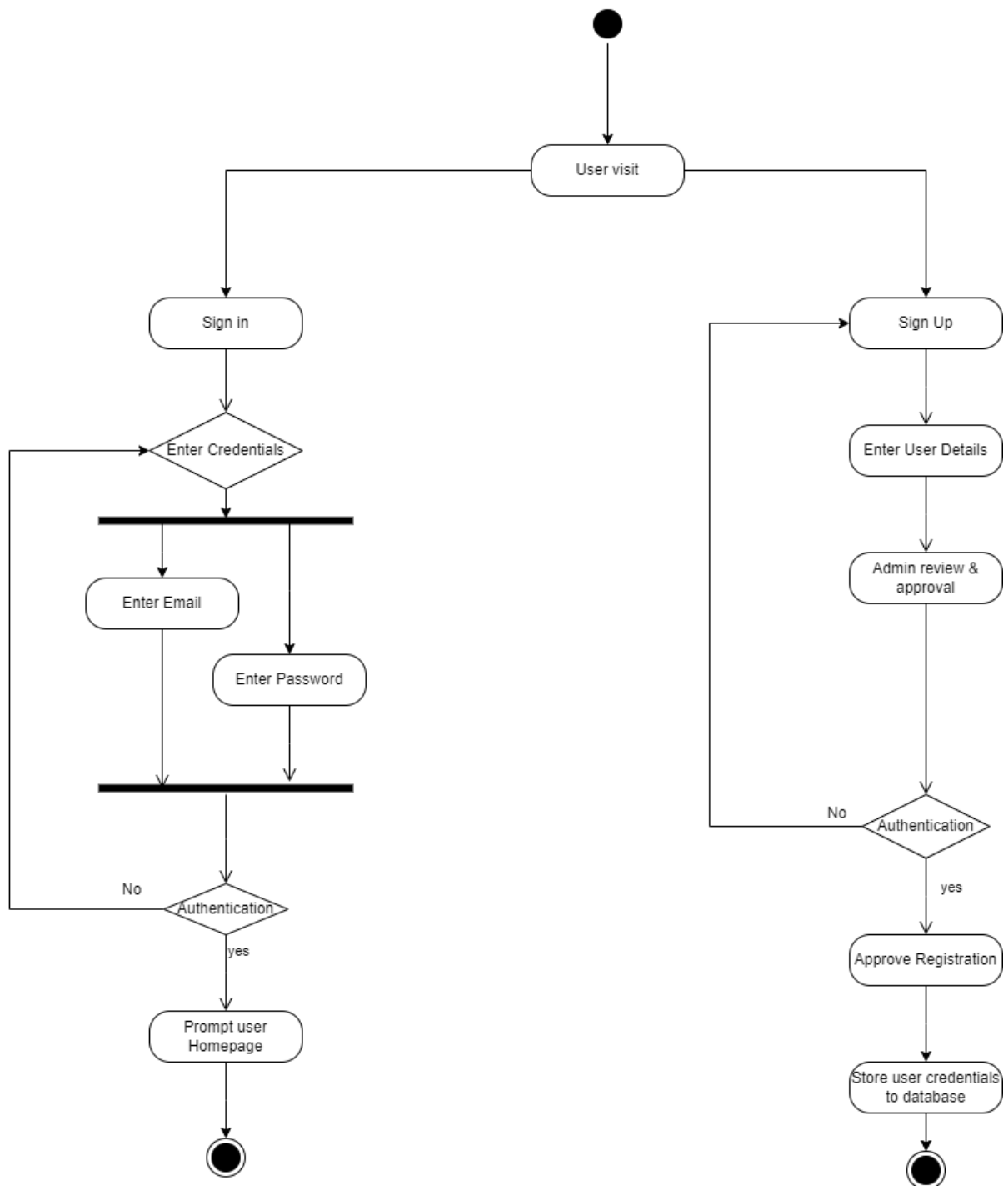
If the new course's information were incorrect, then the administrator should have to enter them again.

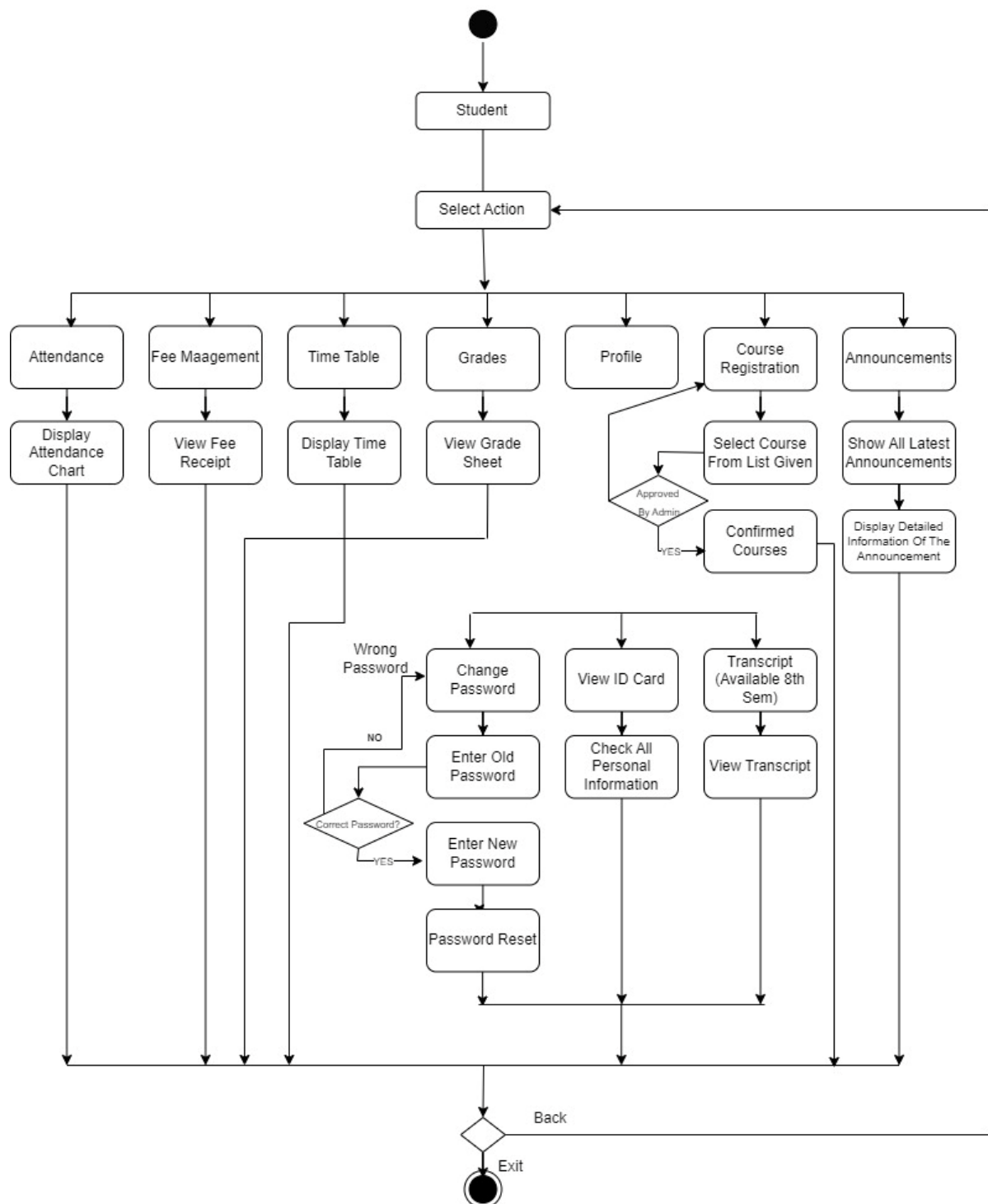If the new course's information were correct, then information will be saved in database.

If the announcement is outdated then we have to remove it.

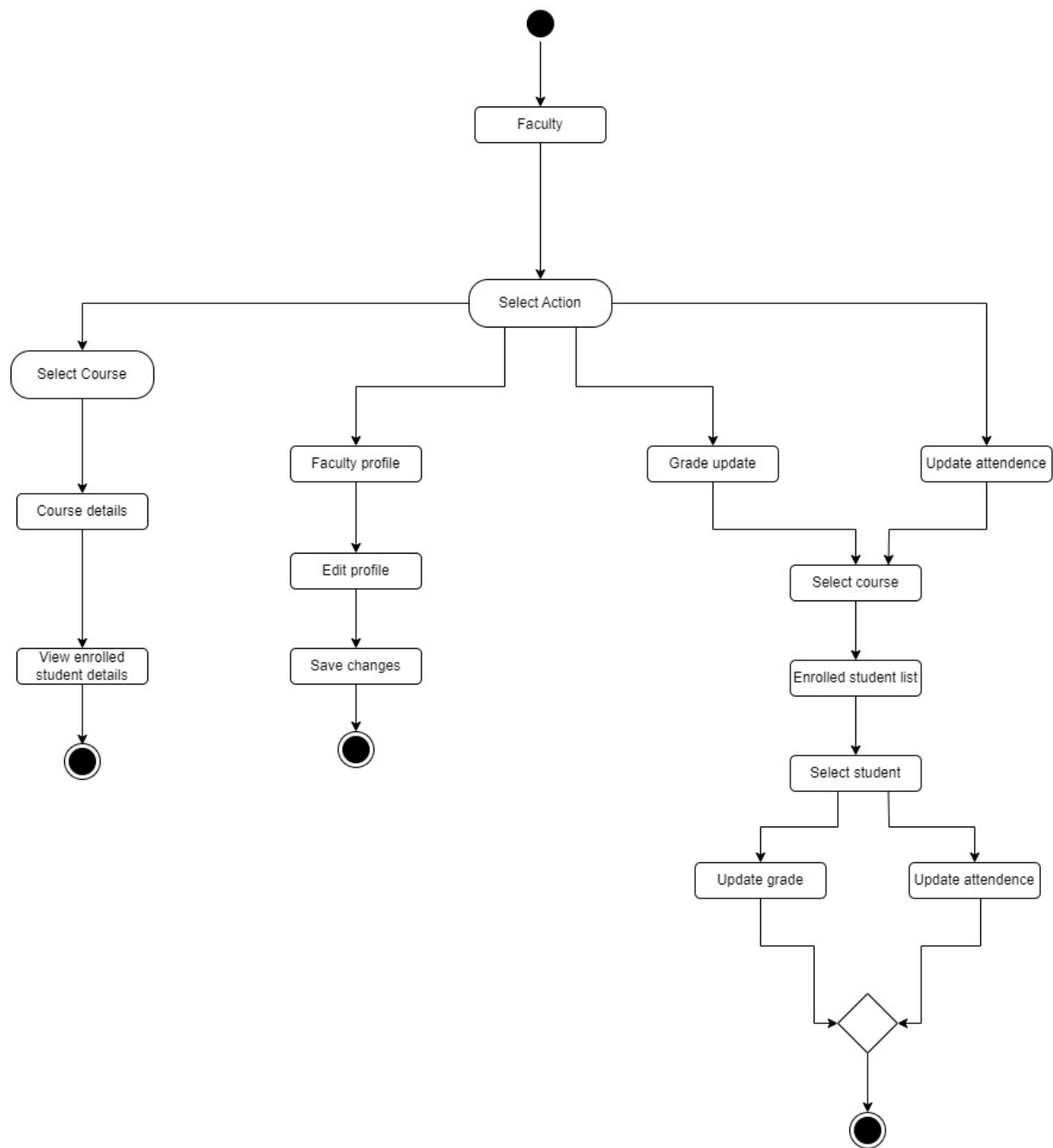## 2) Develop an activity diagram for each sprints.

- Register/Login Page

- Login as Student

- Login as Faculty

- Login as Administrator