IT314
GROUP 6
DESIGN DOCUMENT

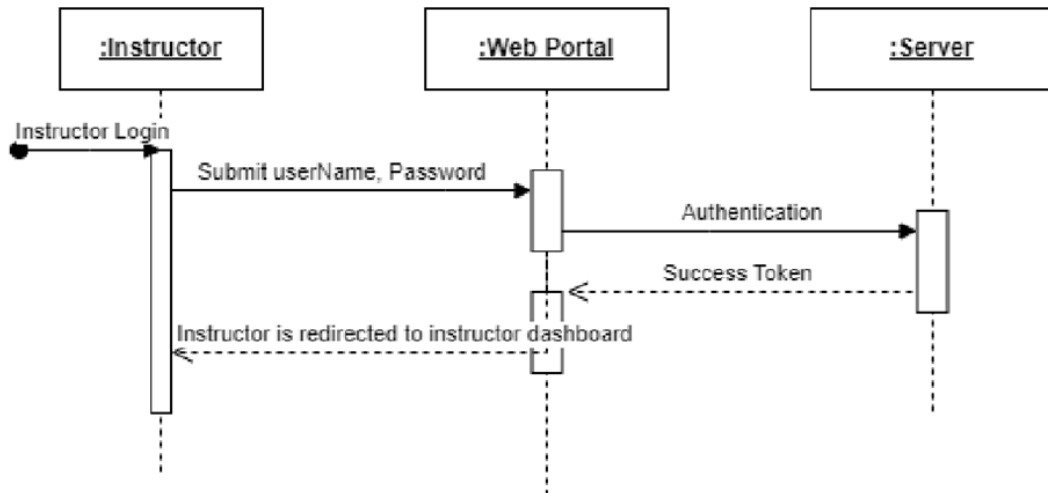# CLASS DIAGRAM:

Student

First Name:string

Last Name:string

Email Address:string

User Name:string

Password:string

Mark Attendance()

View Course()

Instructor

First Name:string

Last Name:string

Email Address:string

User Name:string

Password:string

Download data()

Create New Course()

Open Attendance()

View Course()

Teaches

Marks

1

*

0..*

1..1

Marked Attendance

Student_id

Attendance_id

1

0..*

Enrolled in

Course

Course id:string

Course Name:string

Instructor id:string

1..*

0..*

Created

Have

Consist of

1

0..*

1

Attendance

Attendance_id:string

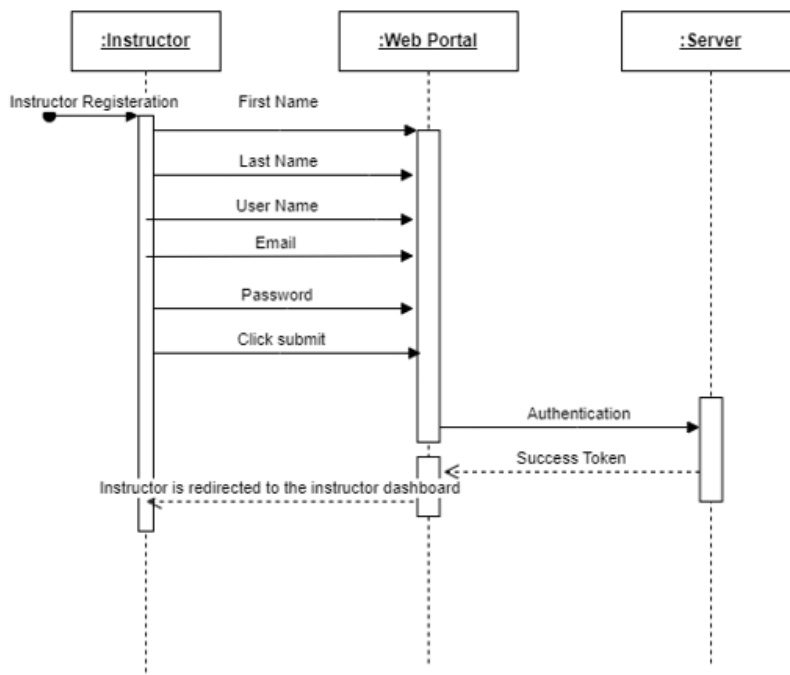Course_id

Start time

Minutes

SEQUENCE DIAGRAM:
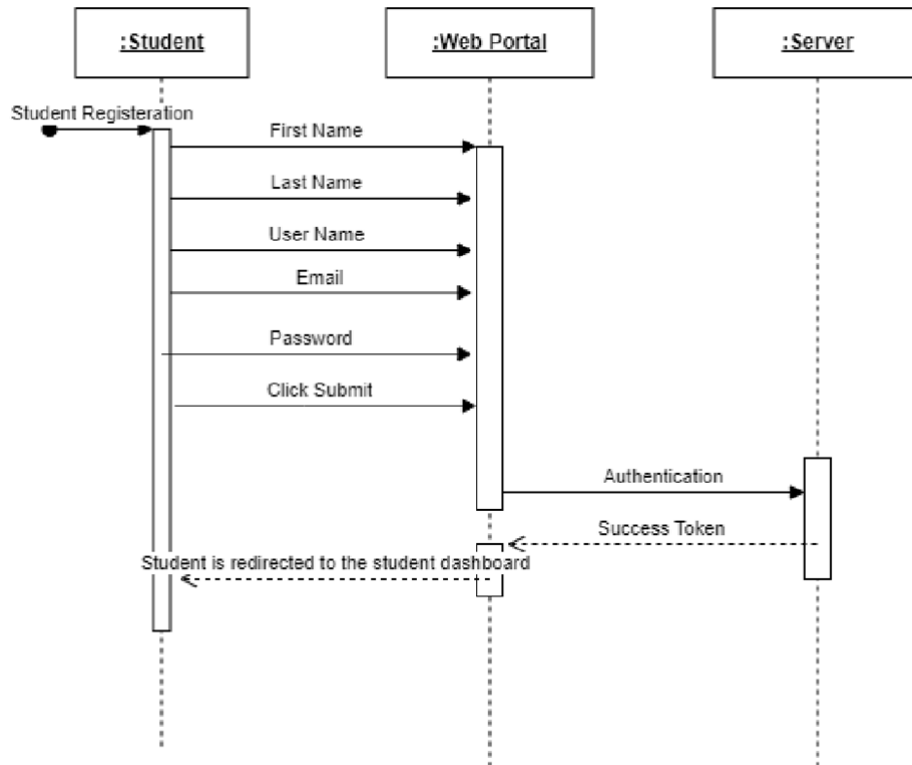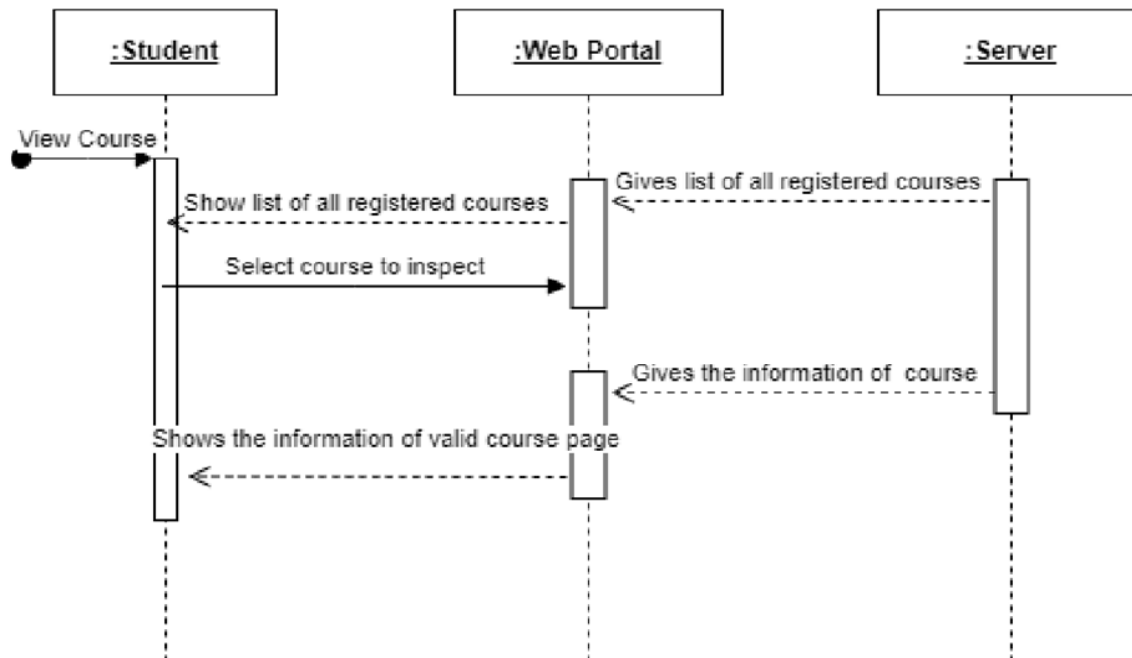
STUDENT LOGIN:
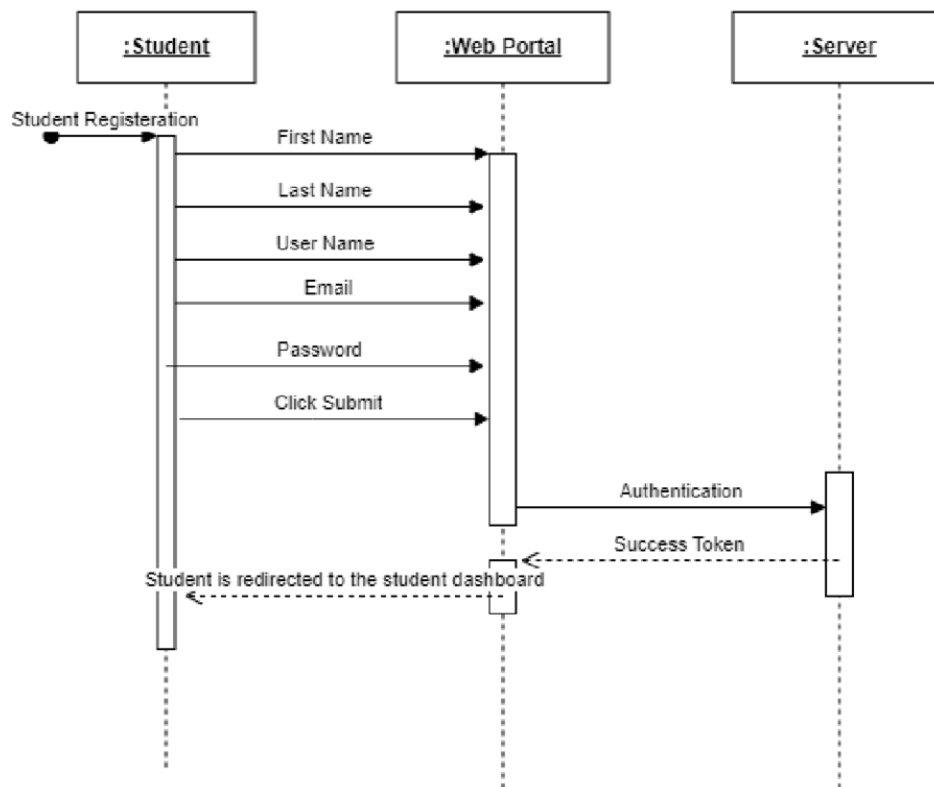
INSTRUCTOR LOGIN:

INSTRUCTOR REGISTRATION:

STUDENT REGISTRATION:

VIEW COURSE:

VIEW COURSE FOR INSTRUCTOR:

:Instructor	:Web Portal	:Server

View Course

Gives list of all created created

Shows list of all courses created

Select course to inspect

Gives the information of course

Shows the information of valid course page

MARK ATTENDANCE FOR STUDENT:

:Student	:Web Portal	:Server

Mark Attendance

Enter the URL from mail

Request the server to validate the URL

success token

Success token
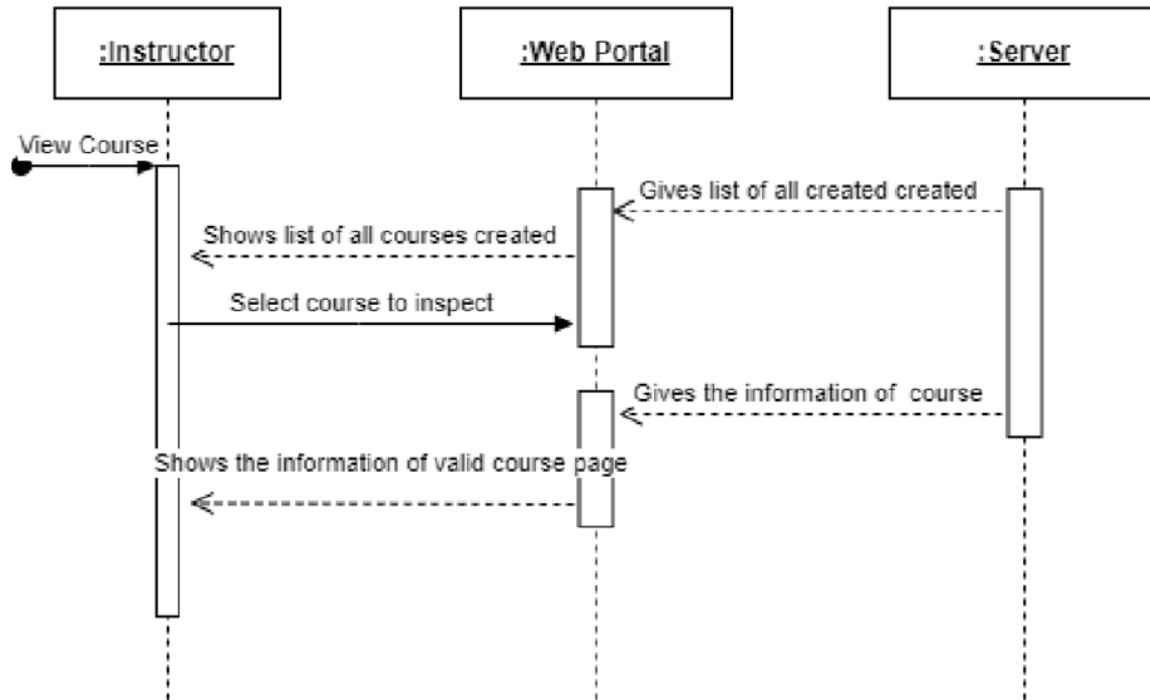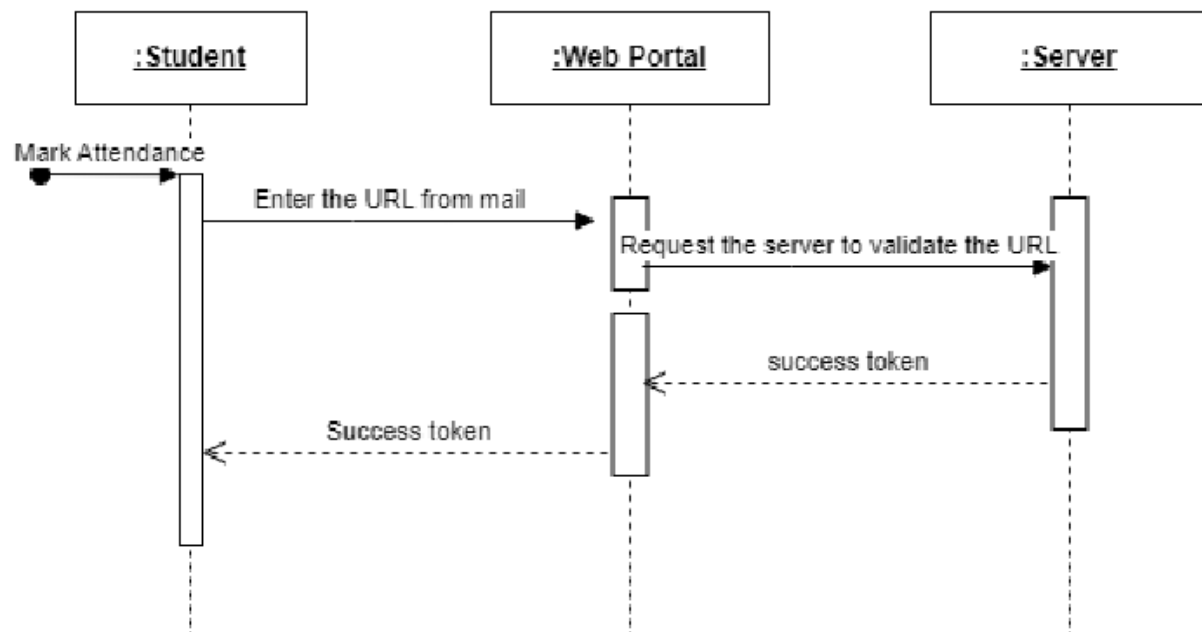
CREATE NEW ATTENDANCE FOR INSTRUCTOR:

:Instructor	:Web Portal

Create attendance

Shows list of all courses created

Select course to inspect

Shows the information of valid course page

Clicks on create new lecture

Displays open attendance page

Enter lecture name and lecture minutes

New course → :Attendance

Response success

Success
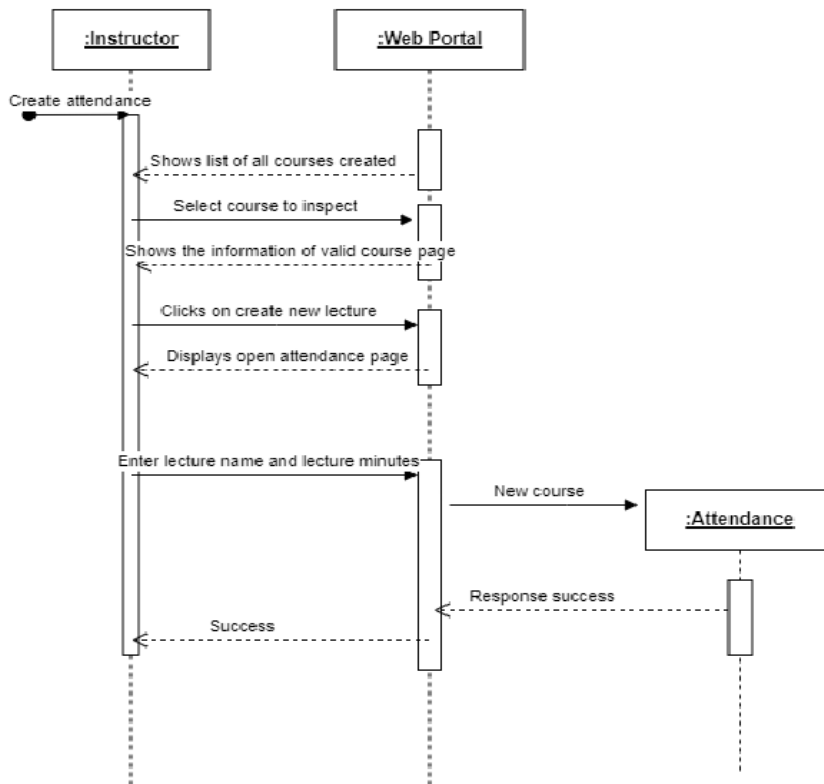
CREATE NEW COURSE FOR INSTRUCTOR:

:Instructor	:Web Portal

Create new course

Click on Create new course

Gives create new course page

Enter valid credentials

new Course → :Course

Success Tokin

Prints success message for creating new course
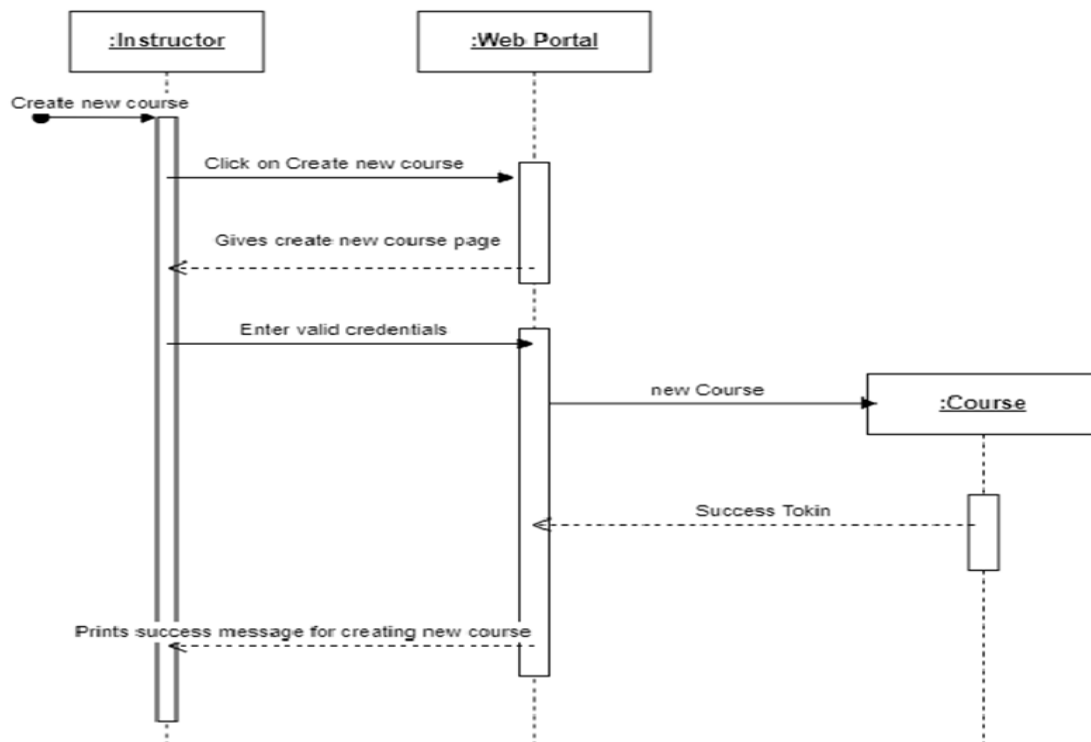
DOWNLOAD DATA FOR INSTRUCTOR:

:Instructor   **:Web Portal**   **:Server**

Download Data

Give list of all registered course

Shows list of all courses created

Select course to inspect

Shows the information of valid course page

Click on download data

request for excel file

send relevant data

Data starts downloading

DELETE COURSE:

:Instructor   **:Web Portal**   **:Server**

Delete Course

Give list of all registered course

Shows list of all courses created

Click on the delete

send request for delete course

send response

success message

ACTIVITY DIAGRAM:

INSTRUCTOR:
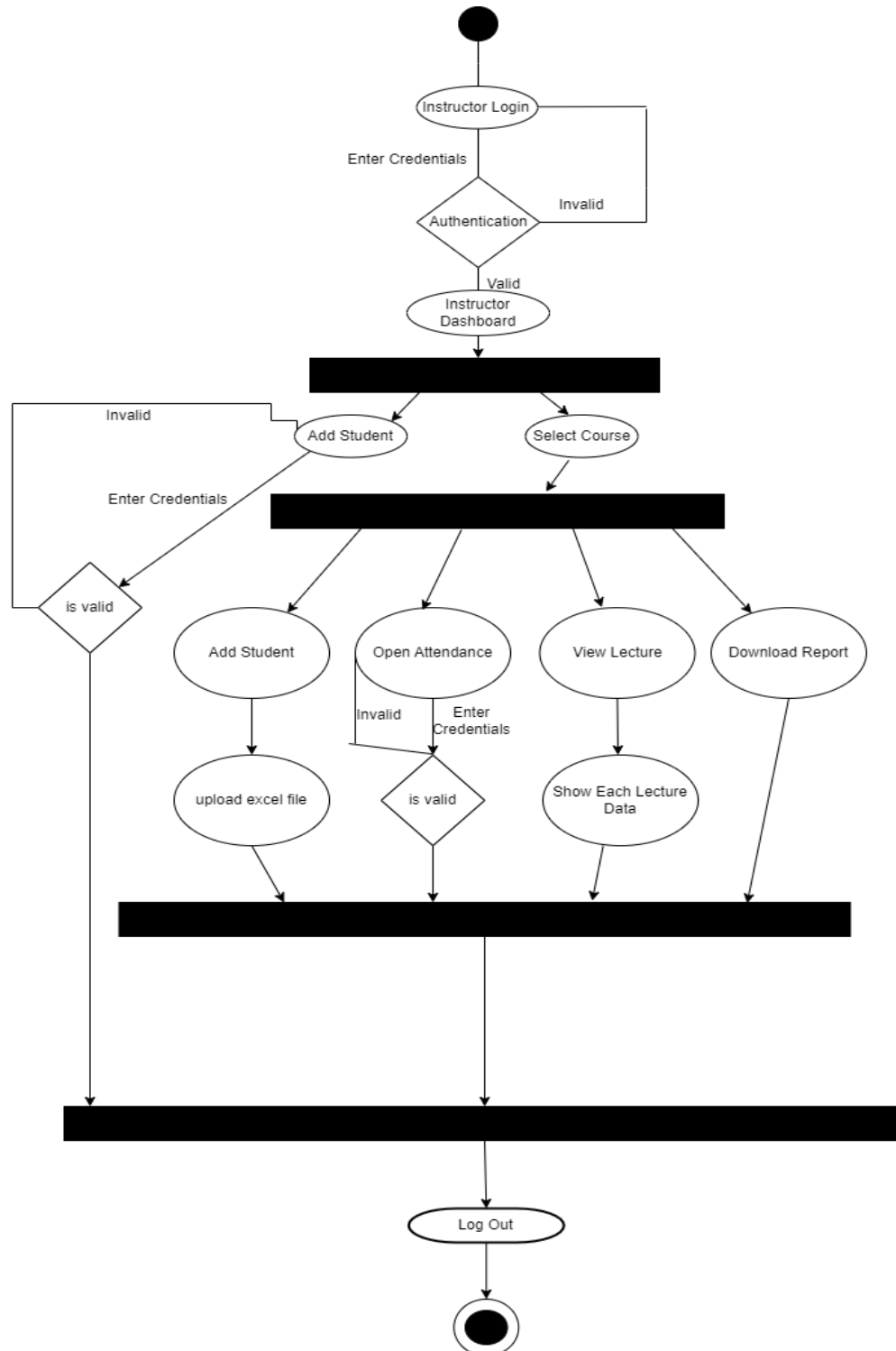
STUDENT:

STATE DIAGRAM:

CREATE A NEW COURSE FOR INSTRUCTOR:

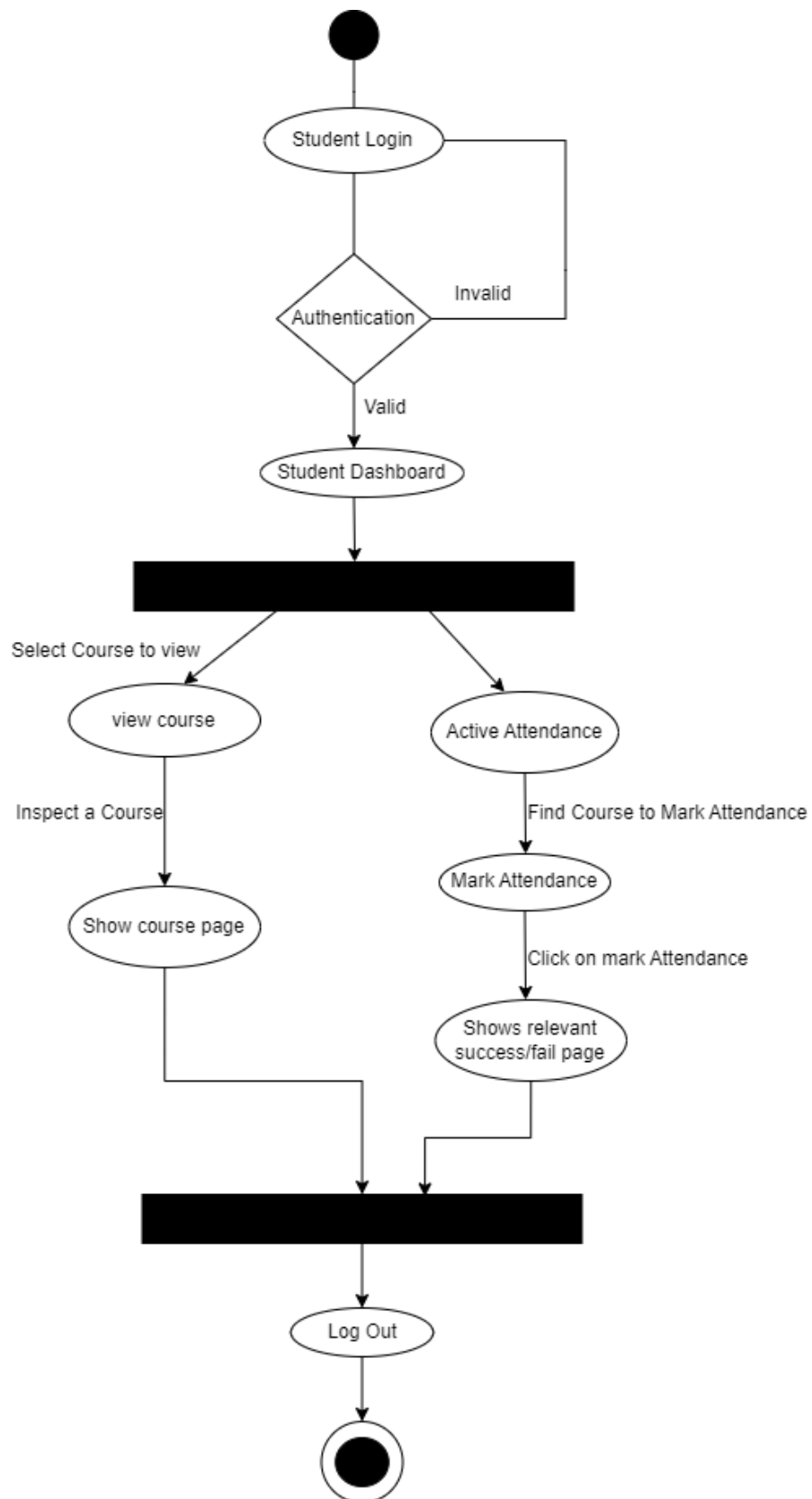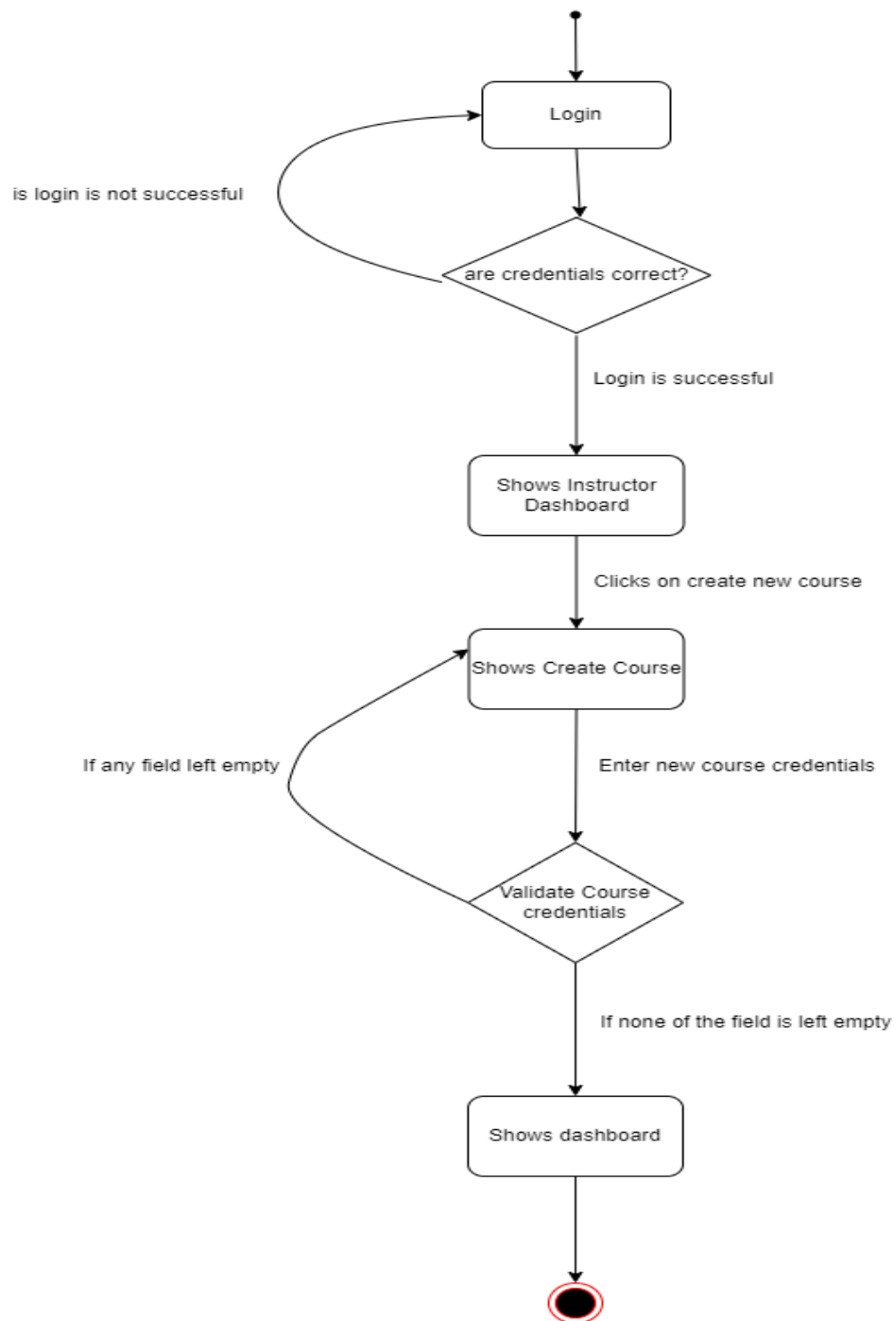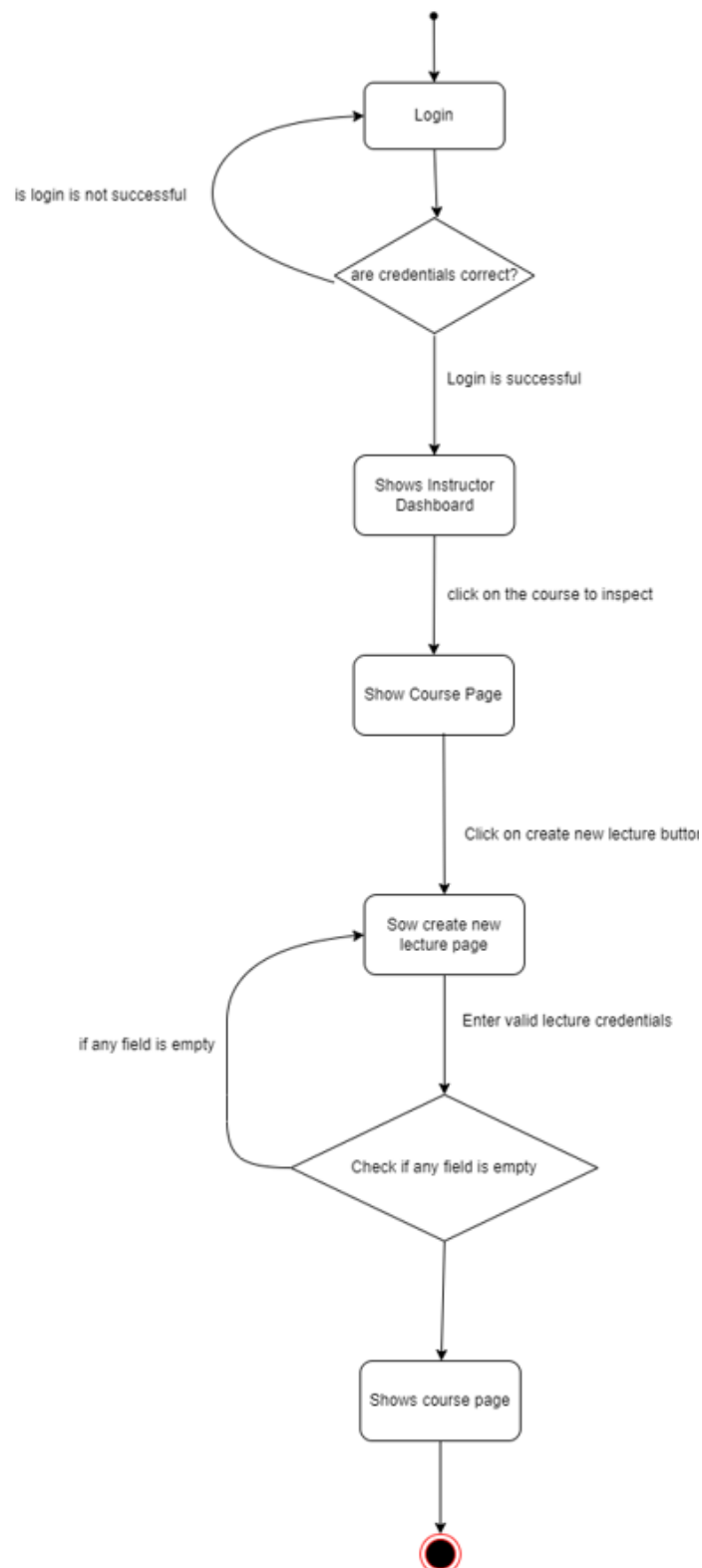**CREATE NEW ATTENDANCE PORTAL FOR INSTRUCTOR:**

```
                            ●
                            │
                            ▼
                     ┌──────────────┐
              ┌─────▶│    Login     │
              │      └──────────────┘
              │              │
is login is not successful   │
              │              ▼
              │         ◇ are credentials correct? ◇
              │              │
              │              │
              │         Login is successful
              │              │
              │              ▼
              │      ┌──────────────┐
              │      │Shows Instructor│
              │      │  Dashboard   │
              │      └──────────────┘
                            │
                   click on the course to inspect
                            │
                            ▼
                     ┌──────────────┐
                     │Show Course Page│
                     └──────────────┘
                            │
                  Click on create new lecture button
                            │
                            ▼
              ┌──────────────┐
         ┌───▶│ Sow create new│
         │    │ lecture page  │
         │    └──────────────┘
         │            │
if any field is empty  Enter valid lecture credentials
         │            │
         │            ▼
         │      ◇ Check if any field is empty ◇
         │            │
                      │
                      ▼
               ┌──────────────┐
               │Shows course page│
               └──────────────┘
                      │
                      ▼
                      ◉
```

MARKING ATTENDANCE FOR STUDENTS AFTER LOGGING IN METHOD: