

Application Flow

1. Login

```
---Welcome to OAES---

1. Student Login
2. Teacher Login
Enter your Choice
1
Enter username: amang
Enter password: password
Login Successful

Tests:
1. Software Architecture Exam
2. SS Exam
Enter Choice: █
```

Normal Flow

```
---Welcome to OAES---

1. Student Login
2. Teacher Login
Enter your Choice
1
Enter username: amang
Enter password: wrong-password
Login Unsuccessful.
2022-08-22 18:44:32.954 INFO 159113 --- [main] in.ac.iiitb.test.TestAppApplication : Started
█
```

Exceptional Flow

2. Set Exam

```
(?, ?, ?, ?, ?)

---Welcome to OAES---

1. Student Login
2. Teacher Login
Enter your Choice
2

---Create a New Test---

Enter Test Name: SS Exam
Enter Date of Exam:
Enter Date: 20
Enter Month Number: 11
Enter Year: 2022
Enter Hour in 24hr format: 13
Enter Minute: 30
Date and Time of the Exam: 2022-11-20 13:30:00
Enter Duration of the Exam: 180
Enter Subject Code: CS801

Test has been created!
2022-08-22 18:03:21.818 INFO 154485 --- [main] in.ac.iiitb.test.TestAppApplication : Started
█
```

Normal Flow

```

---Welcome to OAES---

1. Student Login
2. Teacher Login
Enter your Choice
2

---Create Test---

Enter Test Name: ESD Exam
Enter Date of Exam:
Enter Date: 20
Enter Month Number: 11
Enter Year: 2022
Enter Hour in 24hr format: 13
Enter Minute: 30
Date and Time of the Exam: 2022-11-20 13:30:00
Test Creation Failed. Exam Timings Conflict with another Exam.
2022-08-22 23:32:47.882 INFO 178628 --- [main] in.ac.iiitb.test.TestAppApplication : Started

```

Exceptional Flow

3. Attempt Exam

```

---Welcome to OAES---

1. Student Login
2. Teacher Login
Enter your Choice
1
Enter username: amang
Enter password: password
Login Successful

Tests:
1. Software Architecture Exam
2. SS Exam
Enter Choice: 1

You've entered the test!
2022-08-22 17:58:22.795 INFO 152888 --- [main] in.ac.iiitb.test.TestAppApplication : Started

```

Normal Flow

```

---Welcome to OAES---

1. Student Login
2. Teacher Login
Enter your Choice
1
Enter username: amang
Enter password: password
Login Successful

Tests:
1. Software Architecture Exam
2. SS Exam
Enter Choice: 2
Unable to enter Exam. Exam has already Ended.
2022-08-22 18:48:34.051 INFO 159803 --- [main] in.ac.iiitb.test.TestAppApplication : Started

```

Exceptional Flow

Classes

Modal Classes

The database Schema is using these classes

1. Student -

Attributes : (i) StudentId - Integer
(ii) username - String
(iii) password - String
(iv) name - String
(v) email - String

2. Test -

Attributes : (i) TestId - Integer
(ii) name - String
(iii) startDate - Date
(iv) duration - Integer
(v) courseCode - Subject

3. Course Registration -

Attributes : (i) CourseId - Integer
(ii) username - Student
(iii) course - Subject

4. Subject

Attributes : (i) subjectId - Integer
(ii) subjectCode - String
(iii) subjectName - String

Repository Classes

Used for querying from database

1. Student Repository -

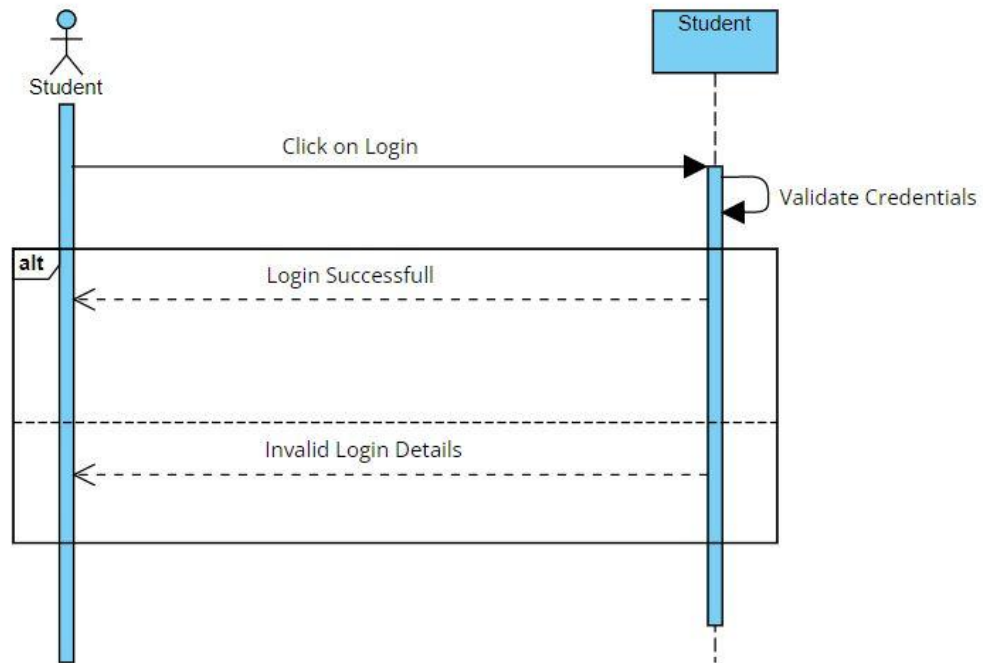
2. Test Repository

3. Course Registration Repository

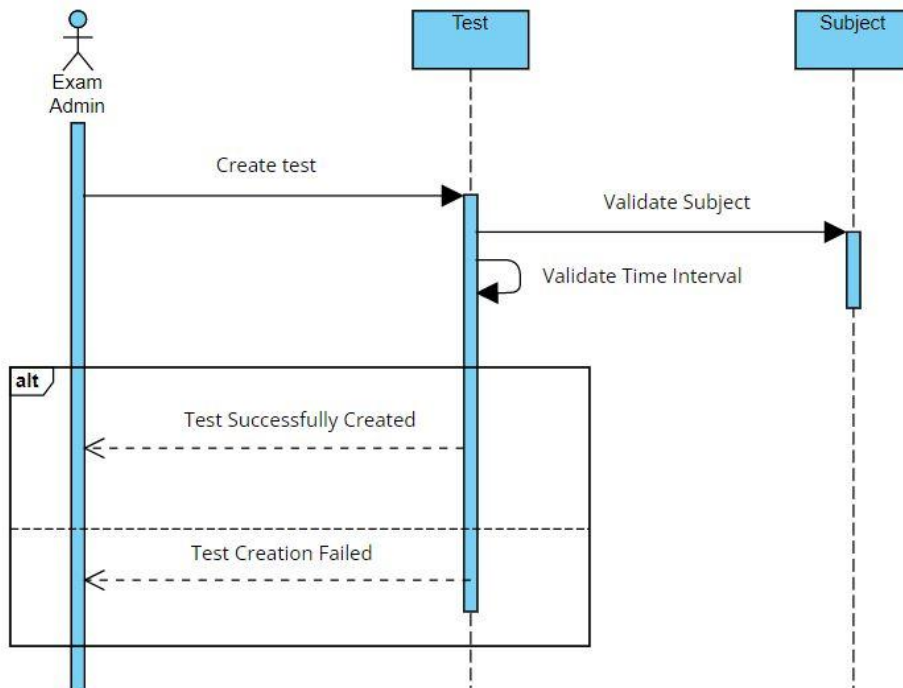
4. Subject Repository

Sequence Diagrams

1. Login



2. Set Exam



3. Attempt Exam

