

Exp 5

ONLINE COURSE RESERVATION SYSTEM AIM:

To draw the diagrams [usecase, activity, sequence, collaboration, class, statechart, component, deployment, package] for the Online course reservation system.

SOFTWARE REQUIREMENTS SPECIFICATION:

SL.NO SOFTWARE REQUIREMENTS SPECIFICATION

1.0 Hardware Requirements

1.1 Software Requirements

1.2 Problem Analysis and Project Plan

1.3 Project Description

1.4 Reference

1.0 HARDWARE REQUIREMENTS:

Intel Pentium Processor I3/I5

1.1 SOFTWARE REQUIREMENTS:

Rational rose / Argo UML

1.2 PROBLEM ANALYSIS AND PROJECT PLANNING:

The requirement from the customer is got and the requirements about the course

registration are defined. The requirements are analyzed and defined so that it enables the student

to efficiently select a course through registration system. The project scope is identified and the

problem statement is prepared.

1.3 PROJECT DESCRIPTION:

This software is designed for supporting online course reservation system. This system is

organized by the central management system. The student first browses and selects the desired

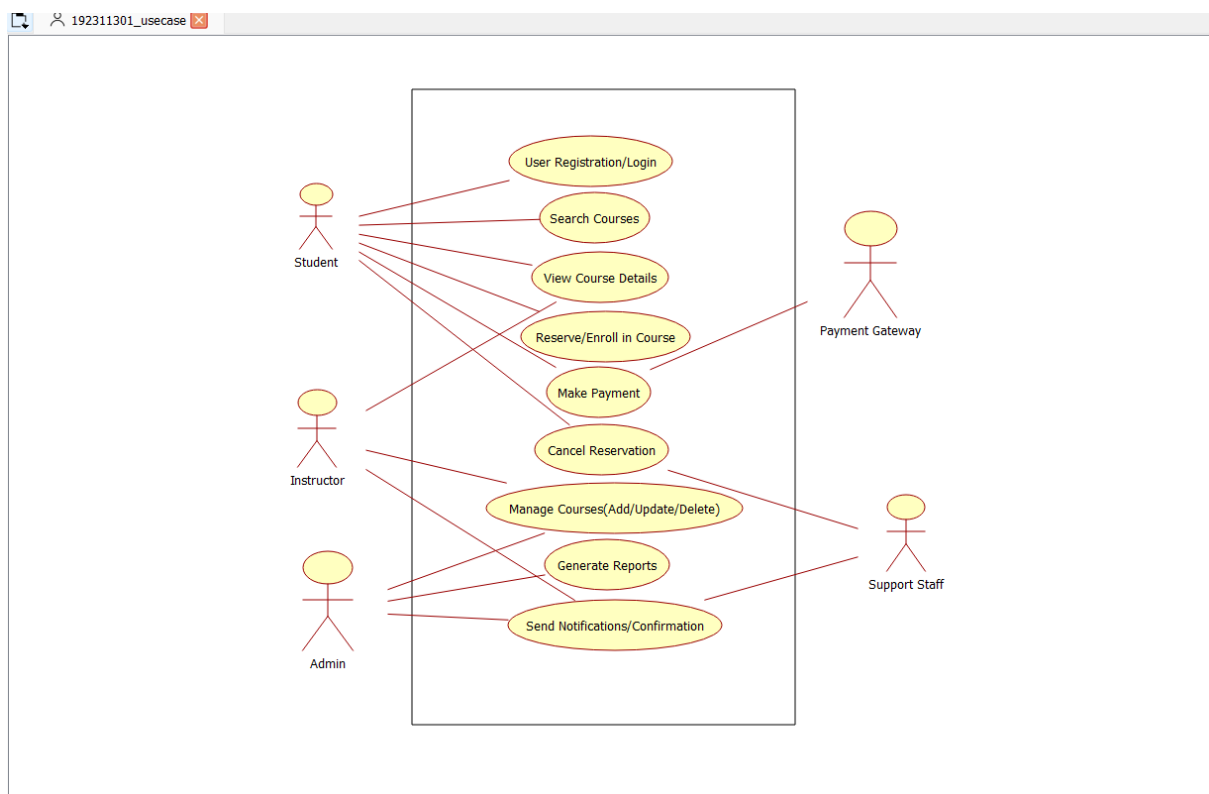
course of their choice. The university then checks the availability of the seat. If it is available, the

student is enrolled for the course.

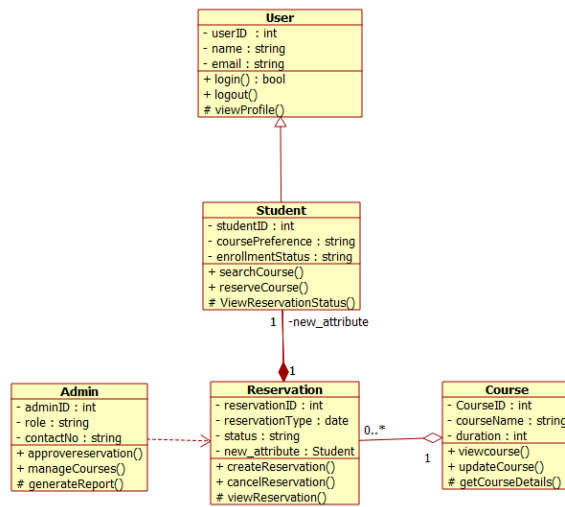
1.4 REFERENCES:

IEEE Software Requirement Specification format.

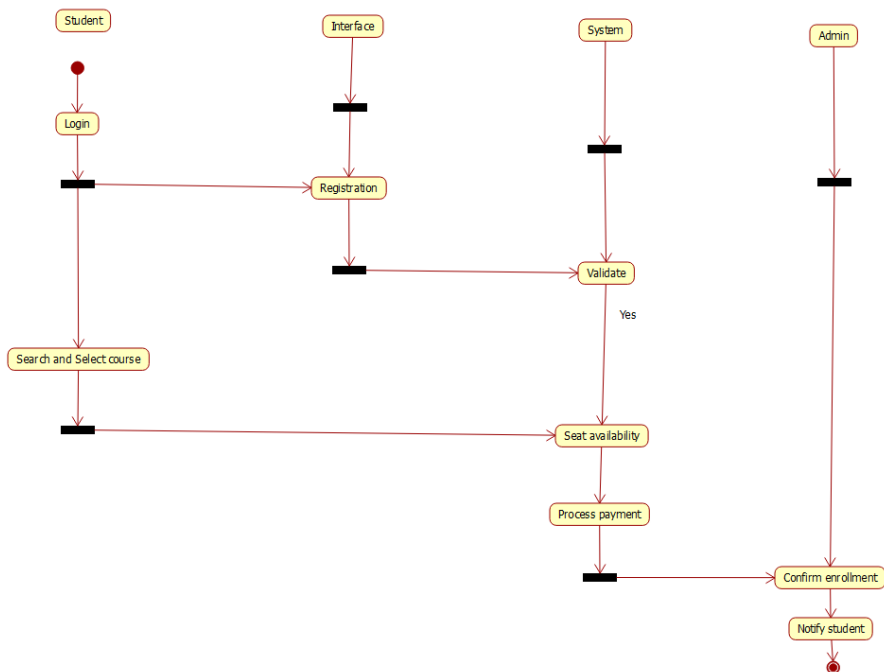
Use case Diagram:



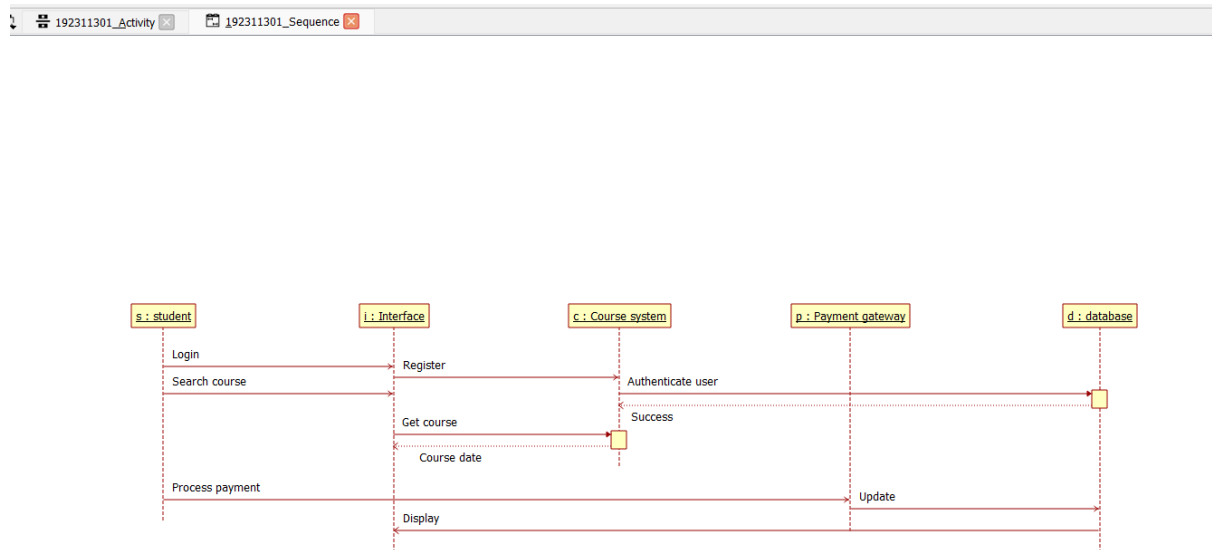
Class Diagram:



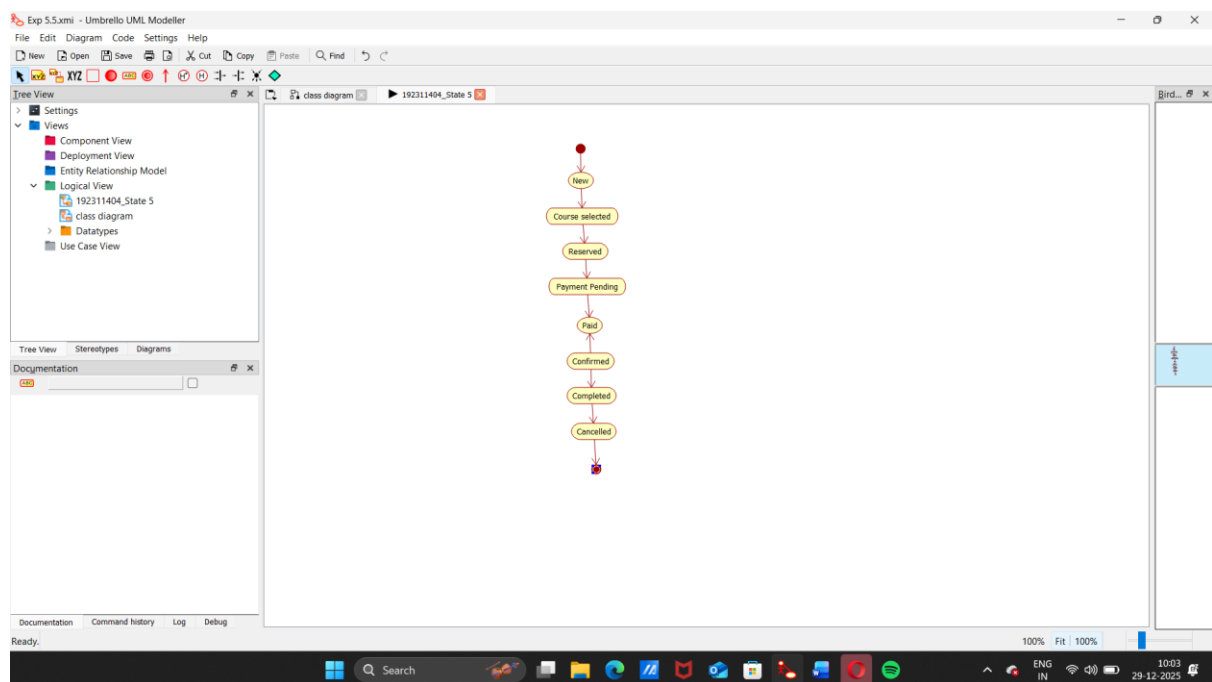
Activity Diagram:



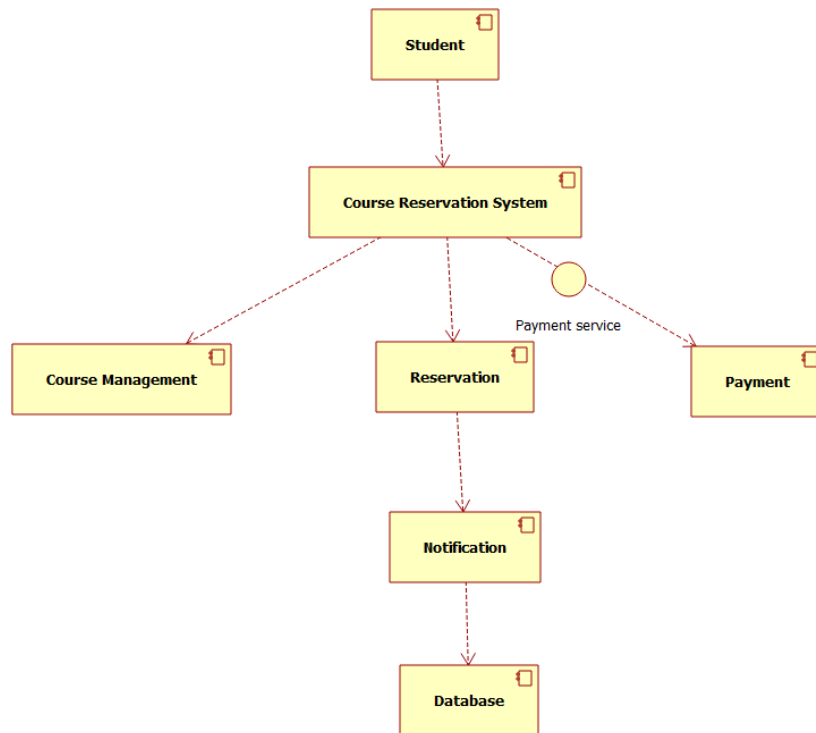
Sequence Diagram:



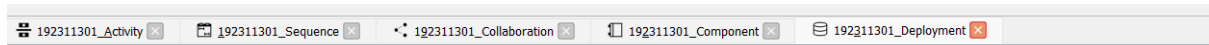
State Diagram:



Component Diagram:



Deployment Diagram:



Package Diagram:



PROGRAM CODING:

CENTRAL MANAGEMENT SYSTEM

Public class central management system

```
{  
    Public integer details;  
    Public integer verify details;  
    Public void verify()  
    {  
    }  
    Public void enroll()  
    {  
    }  
}
```

STUDENT:

Public class student

```
{  
    Public integer name;  
    Public integer address;  
    Public integer marks;  
    Public void browse()  
    {  
    }  
}
```



```
Public void select()
```

```
{
```

```
}
```

```
Public void register()
```

```
{
```

```
}
```

```
}
```

UNIVERSITY:

```
Public class university
```

```
{
```

```
Public integer store details;
```

```
Public integer verify details;
```

```
Public void verify()
```

```
{
```

```
}
```

```
Public void enroll()
```

```
{
```

```
}
```

```
}
```

RESULT:

Thus draw the diagrams [usecase, activity, sequence, collaboration, class, state chart, component, deployment , package] for the Online course reservation system has been designed executed and output is verified.