



Mid-term Assignment

Course Name: Object Oriented Software Engineering

Submitted By:

Yahya Riaz (12280)

BS (SE) Section: A

Submitted To:

Ma'am Sanaa Jehan

Dated: 18th April 2020

**Department of Computer Science,
IQRA National University, Peshawar Pakistan**

Object Oriented Software Engineering

SE - 05

MIDTERM ASSIGNMENT

Question #1 (20 Marks)

Consider your University Attendance Marking System in a class. Keeping in mind all the activities, both the start and end of the class, come up with the following:

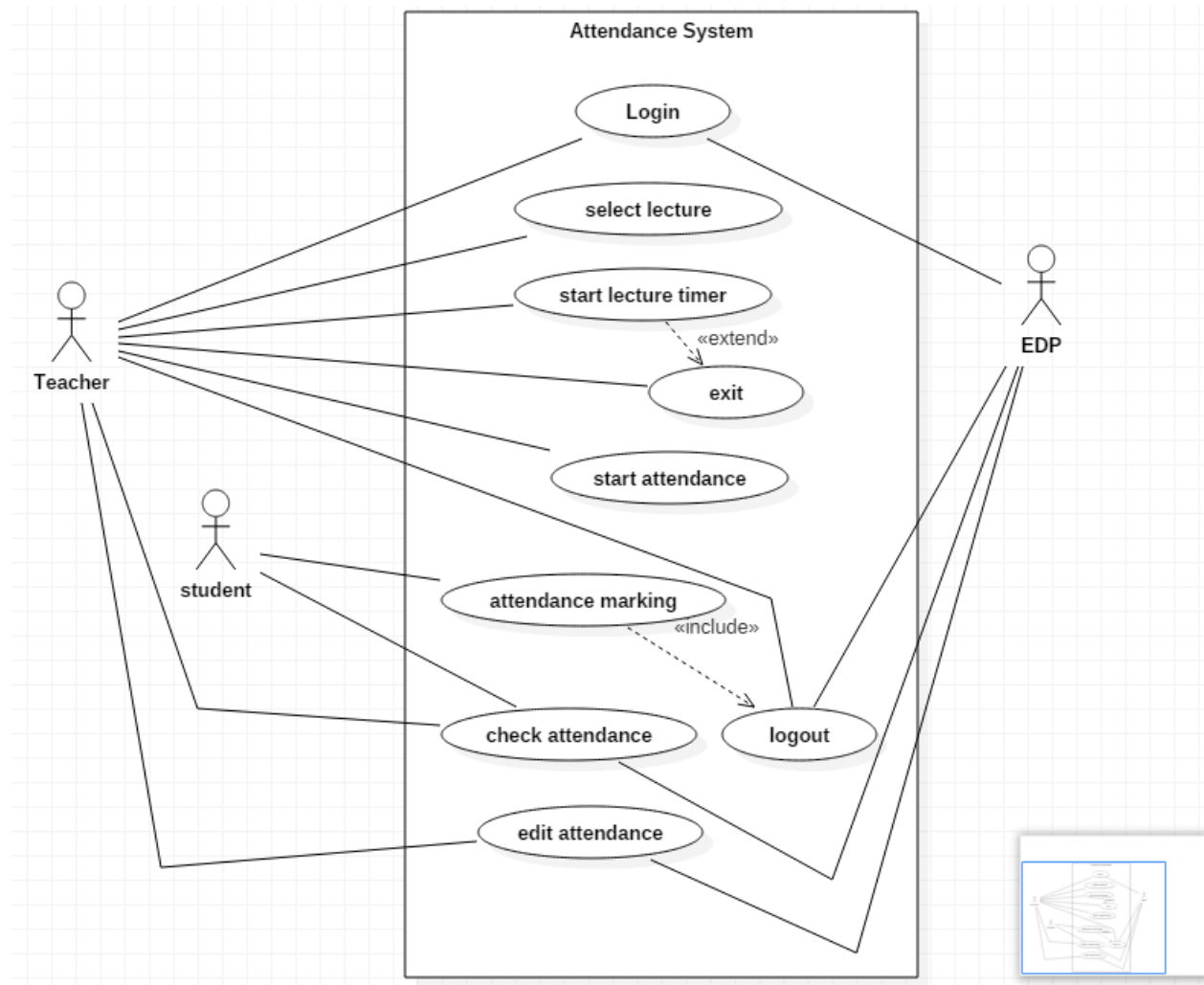
1. A Use Case Diagram
2. A Textual Use Case Diagram

Question #2 (10 Marks)

You have to make a new Biometric Attendance System for your university. You are being assigned this task on April 21st, 2020 and you have to submit the whole system on 15th June. Come up with schedule for this whole project in the form of Gantt Chart and Pert Chart.

Question # 1 (A):

Use Case Diagram of Attendance Marking System



Question # 1 (B):

Textual Use Case for Attendance Marking System

Name:

- Attendance marking system.

Participating actors:

- Teacher, student, EDP.

Entry condition:

- Teacher swipes the card to login. And secondary actor (EDP) can also login to take actions.

Exit condition:

- Attendance of the student is marked.

Flow of events for teachers and students:

1. Teacher swipes the card to login.
2. Teacher selects the lecture.
3. Teacher starts the timer.
4. And exits to the home page.
5. When the timer stops, teacher logs in again and start marking the attendance.
6. Students mark their attendance by swiping their own cards.
7. After marking the attendance teacher confirms it and logs out.
8. Furthermore, the and teachers and the students can check the attendance.
9. Teachers can edit the attendance.

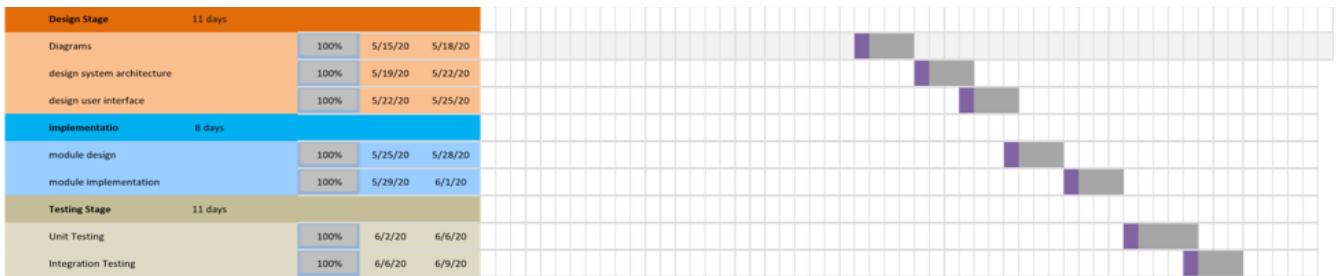
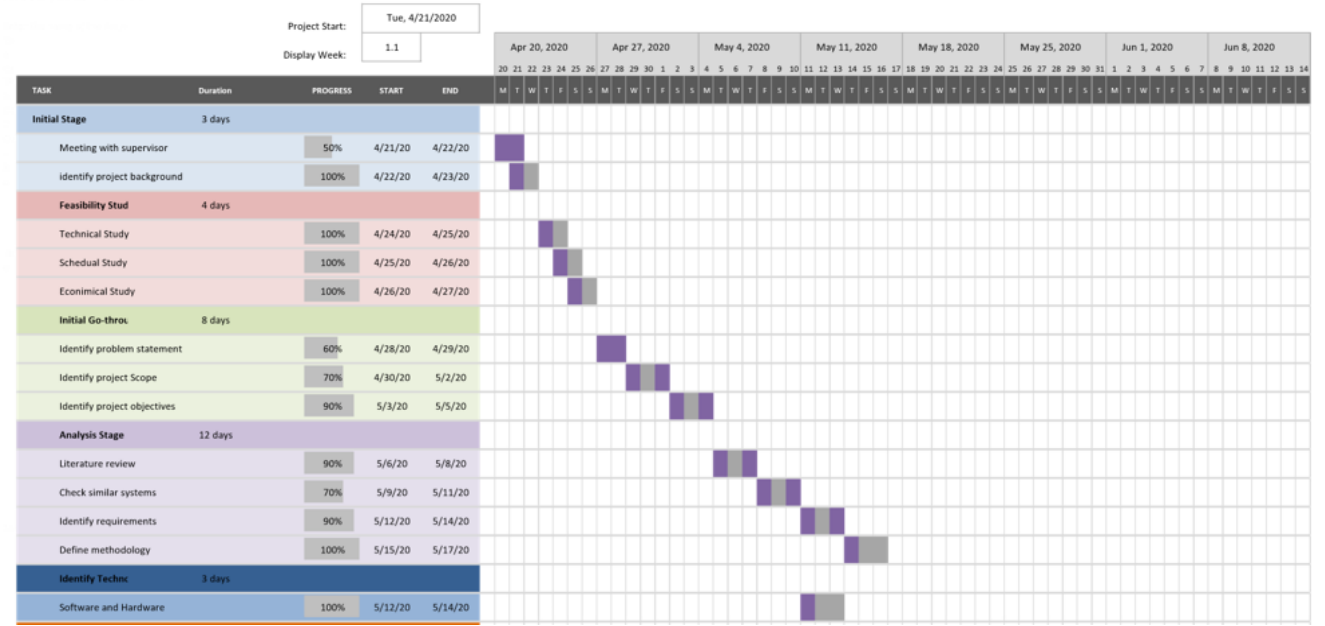
Flow of events for EDP:

1. EDP logs into the system.
2. EDP can check the attendance of students.
3. EDP can edit the attendance.
4. EDP logs out.

Question # 2:

Gantt Chart for Biometric Attendance System

BOIMETRIC ATTENDANCE SYSTEM



PERT Chart for Biometric Attendance System

