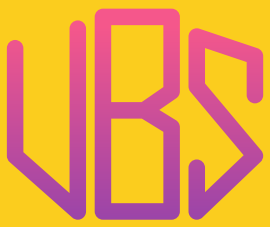
COURSE MANAGEMENT PROJECT



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TIMELINES

UML Diagram Submission

Deadline: Friday 2nd July 2021

Tasks List & Plan

Deadline: Sunday 4th July 2021

Code Submission

Thursday 15th July 2021

VIVA / Evaluation

Will be announced later

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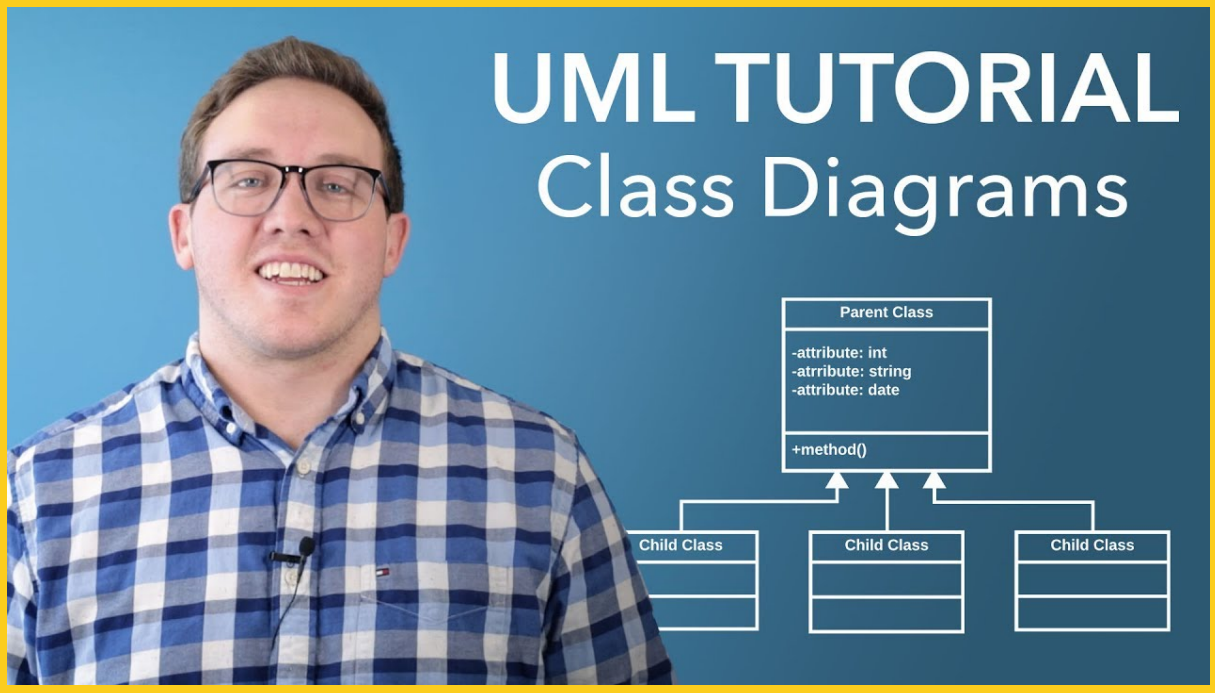
UML

Unified Modeling Language is used to represent relationships



Tasks List & Plan

This list should separate tasks for each member of the group if there are more than one and also distribute tasks among days. So we clearly know what would be the plan of execution.

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Evaluation Criteria

Concepts that should be covered in your program

Filing (application will be persistent between launches)

Menu Driven Application

Classes

Function / Operator Overloading

Specially Stream in and out

Polymorphism

Templates (optional but recommended)

Project Description

In this project, you will make a program that will manage the appointments of the available time slot of a teacher as well act as a group communication for the teacher and every student of the particular course.

At the start of the program, it will ask the user to specify its role:

- Student
- Teacher
- Admin

Admin:

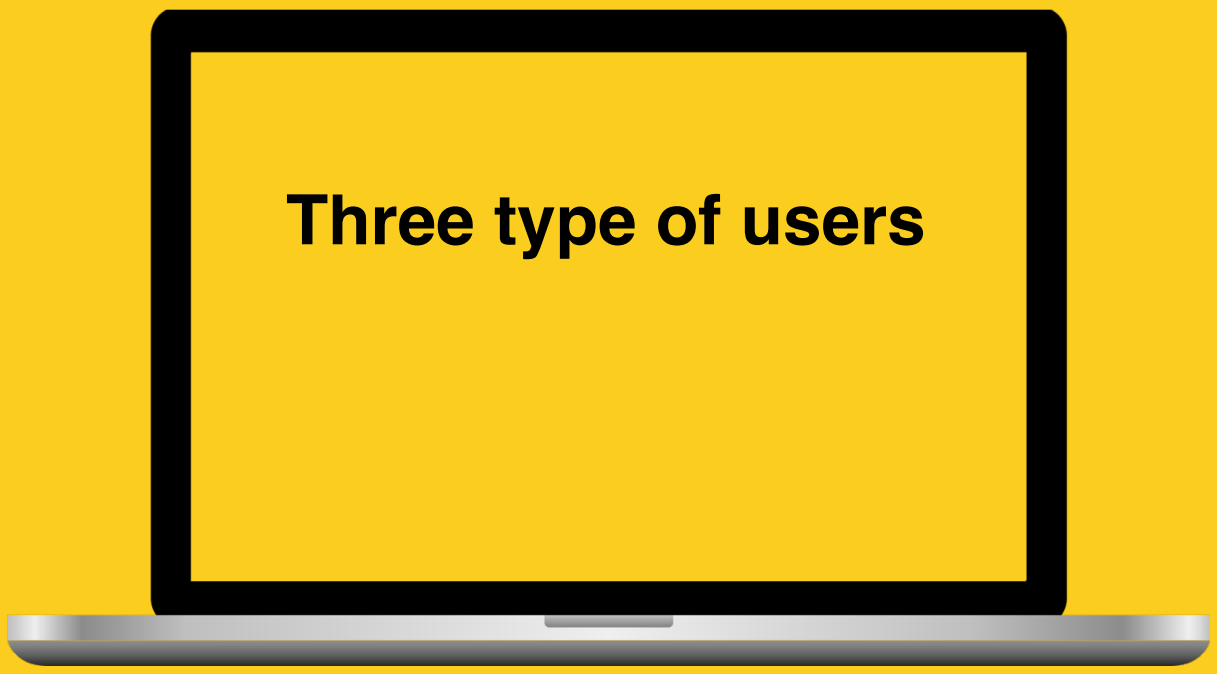
The admin can create a new course and specify a teacher for it. While creating a new course it is required from the admin to enroll students in it. The enrolled student list can be changed later by the admin as well as the teacher of the course. Admin has the hold to delete any course and remove teacher or student from any course.

Teacher:

Each teacher has a unique ID, this ID will help them to log in to their respective course. The teacher of the course will specify its availability and the program will make slots of a specific time and display these slots for each student. As any student reserves slot for the meetup, the program will mark the specific slot reserved and not be reserved by any other student. The teacher can also communicate with the students of the course through a messaging group of a course where each student is added.

Student:

Each student has their unique ID, this ID will help them to log in and find the course in which they are enrolled by the admin or by the teacher. They have the option to reserve a slot for meet-up and can cancel their reservation before time. They can communicate with their class-fellows and teacher on the messaging group.
You can think of more functionalities in this context and implement them.



Admin	Teacher	Student
Create new course	Specify its available time	Reserve available time slot
Specify Teacher	Cancel any reservation	Message in the course group
Add and Remove Students	Add and Remove Students	Students can only delete their own messages
Delete any course	Message in the course group	Students can only cancel their reservation
Remove Teacher Replace	Delete any message in the group	

Submission Process

Submissions will only be through github

For UML, you will be using diagram.net or draw.io website, it allows you to store file on your computer for which you will keep it in the project repository. You need to push the state of the repository before each deadline.

For Task lists use excel file and commit and push through the repository as well .

Same would be the process for the code.

For any queries
email me with your TA's cc'ed
on

usama.shakeel@itu.edu.pk
usama.riaz@itu.edu.pk
msee19023@itu.edu.pk
msds19046@itu.edu.pk