

## “Master Team Project WiSe 2021/22”

## “MentorMe”

**(Team C) (Local)**

## Team Members

- Yogeeta Sharma (yogeeta.sharma@informatik.hs-fulda.de) (Team Lead)
- Ahmad Estaitia
- Ankit Anand
- Bibek Gaihre
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## "Milestone 2"

**Date: 07.12.2021**

## History Table

[illegible]

## **Functional Requirements – prioritized**

### **Priority 1: (Till 1<sup>st</sup> Feb)**

#### **Student**

- System must allow new students to register in the system using university email.
- Students must log in using the university email in the system.
- The system must offer students a view and to search for tutors on the system.
- Students can send a message request to the tutor.
- Students must be able to have real time messages with the tutor once the tutor has accepted their request.
- Students must be able to enrol in the courses made available by tutors.

#### **Tutor**

- The tutor must be able to register in the system and use it without any problem once the verification is completed by the Moderator.
- The tutor must be able to log in to the system.
- The tutor shall be able to upload his/her CV & image.
- Tutor must be able to accept the message request send by a student.

#### **Moderator**

- The system must notify the Moderator when new Tutor information arrives.
- Moderator should be able to approve/reject content posted by the tutor before making it live (CV, Image).

### **Priority 2:**

#### **Student**

- Students must be able to change password and also forgot password.

#### **Tutor**

- The tutor must be able to change password and forgot Password.
- The tutor can upload a video about his/her introduction.
- The tutor shall be able to set pricing for his course.

#### **Moderator**

- The Moderator must be able to change password and forgot Password.

### **Priority 3:**

#### **Student**

- Students must be able to review the course of a tutor.

#### **Tutor**

- The tutor must be able to view the reviews made by students to his/her course.

#### **Moderator**

- Moderator must be able to ban a user from using the system if he/she is suspicious or harmful to the system.
- Moderator must be able to view the list of all the users, tutors, and classes along with their details.

## **List of main data items and entities**

- **Authorization**

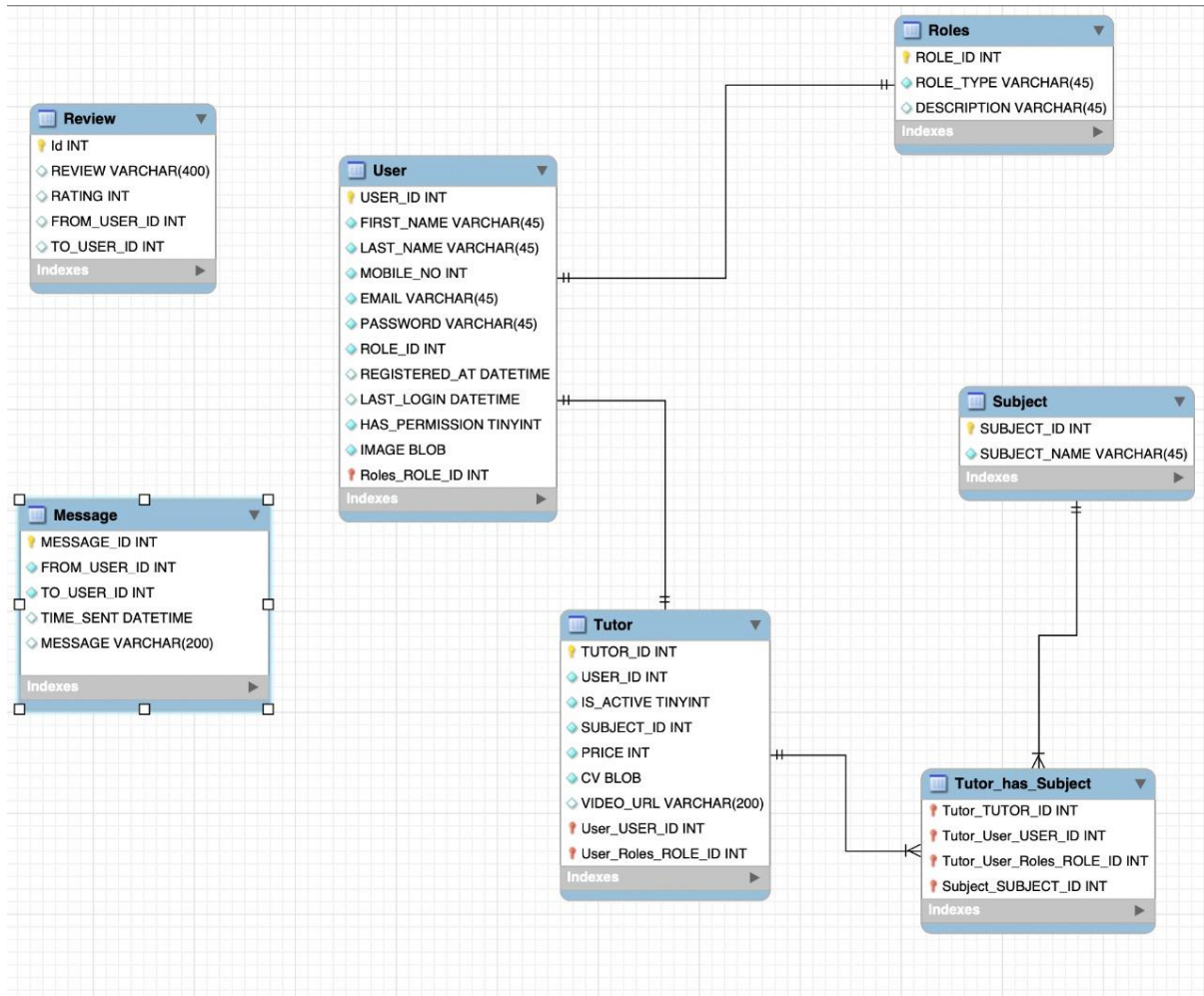
Users have different authorizations regarding the use of application.

## **UI Mock-ups and Storyboards (high level only)**

- **Storyboard** (on separate document) (14 pages)

## High level Architecture, Database Organization

- **DB organization:**



- **Media storage:**

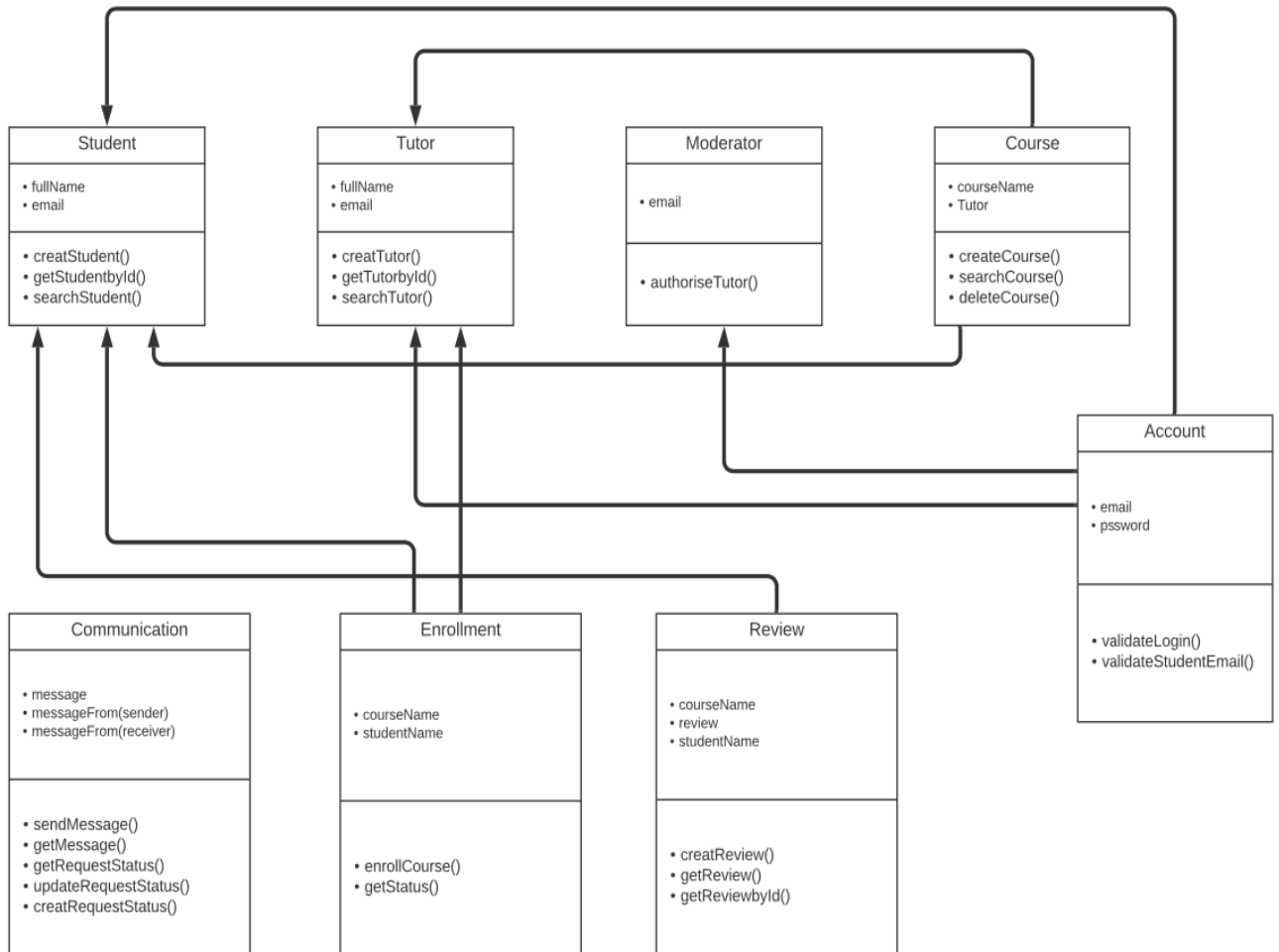
File system (as of now)

Later we plan to use more media storage options available in the market (Azure storage or DB BLOBs).

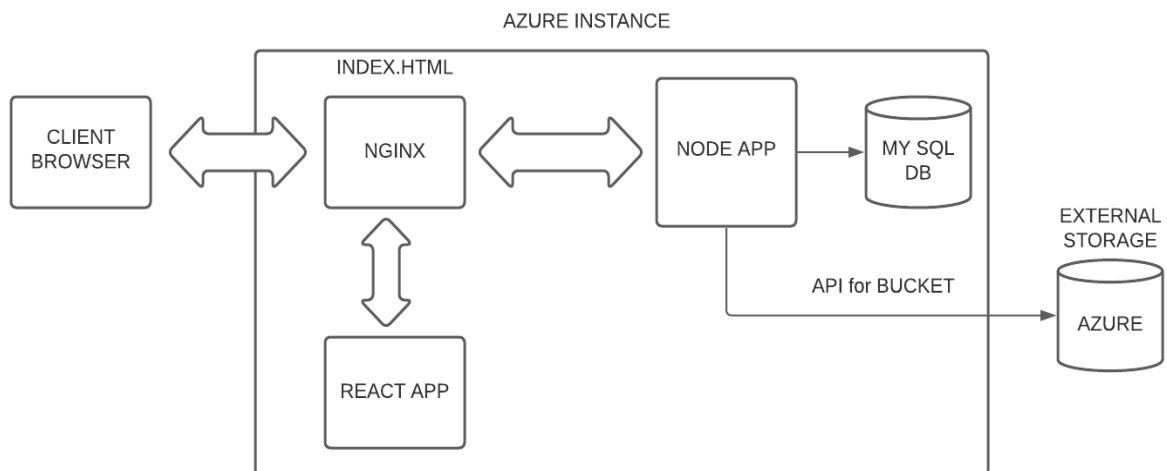
- **Search/filter architecture and implementation:** Criteria query & %like

# NEW High Level UML Diagrams

## a) High-level UML class diagrams



## b) Deployment diagram



## **Identify actual key risks for your project at this time**

- **Skills risks**

We have a team of 8 people but almost 50% of the team is either familiar with only half of the stack that we are using or not at all. And when it comes to deployment on Azure it's new for everyone.

**Our plan of action:** We all are working towards learning the skills we are not perfect in, distributing work load accordingly.

- **Schedule risks**

We all have plans for vacations during the month of December and January, but on different time frames.

**Our plan of action:** Divide and Conquer

- **Technical risks**

Deployment

**Our plan of action:** Two people who are good in tech stack are involved to master Deployment

- **Teamwork risks**

Clash of ideas

**Our plan of action:** Healthy criticism

### **Our general approach to deal with risks:**

- Using Agile Methodology
- Planning Poker: Collaborative effort calculation
- Good Resource Planning
- Keeping a secondary standby resource ready

## **Project management**

- **Project Management tool used:**

JIRA

- **Team Lead's Approach**

1. We have divided ourselves in 2 major teams of frontend and backend
2. Frontend and Backend team leads are responsible to assign their respective job to their team members.
3. To keep sync of what's been done by everyone a meeting is organized in presence on Monday (a day before our meeting with class CEO/CTO on Tuesday) so that the Team Lead can get update on everyone's task if everything is on time and also to get updates from Frontend and Backend Leads about the Development process.

- **Frontend Lead's Approach:**

4. For managing frontend we will be having a meeting per week and during that meeting
5. We will check the status of the tasks assigned in the last meeting.
6. We will create a task queue according to what needs to be done.
7. Everybody can select tasks from that queue.

- **Backend Lead's Approach**

8. On Backend, we will have a meeting a week for only backend and discuss on what things are done and what needs to be done.
9. We will discuss together what we will be doing as individual.
10. Then later assign tasks on based on meeting discussion.