

# “Master Team Project WiSe 2021/22”

# “MentorMe”

(Team C) (Local)

## Team Members

- Yogeeta Sharma ([yogeeta.sharma@informatik.hs-fulda.de](mailto:yogeeta.sharma@informatik.hs-fulda.de)) (Team Lead)
  - Ahmad Estantia
  - Ankit Anand
  - Bibek Gaihre
  - Mohit Dalal
  - Mohammed Afwan
  - Omar Ibrahim
  - Pratikkumar Arvindbhai Kakadiya

## "Milestone 2"

Date: 07.12.2021

## History Table

## **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**

THIS IS THE HOME PAGE, IT IS STATIC

IT CONTAINS GENERAL INFORMATION ABOUT THE  
WEBSITE

Mentors  
me  
00

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Add Filter 

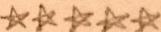
 Search...

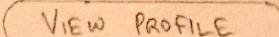
Search

IMAGE

NAME:- OMAR

SUBJECTS:- SOCIAL STUDIES

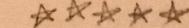
RATINGS 

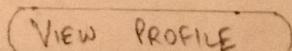
 VIEW PROFILE

IMAGE

NAME:- ANKIT

SUBJECTS:- ECONOMICS

RATINGS 

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Math

Search

IMAGE

NAME:- PRATIK LOLA

SUBJECTS :- MATH

RATINGS ★★★★☆

VIEW PROFILE

IMAGE

NAME:- LOLA KAKADIYA

SUBJECTS :- MATHS

RATINGS ★★★★

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(LOGIN)

Connect with thousands of teachers,  
teaching the subjects that you want  
to learn & excell in.

Discuss and decide on the platform  
of your choice to keep classes on  
and sharing Notes.

Review tutors based on their teaching  
style.

(CREATE A STUDENT ACCOUNT)

You know something that you would like  
to share with a pool of eager learners,  
at the same time earning some money  
on your mutual understanding  
with students.

Expand your class with a wide range  
of students, on the teaching platform  
that you prefer.

(CREATE A TUTOR ACCOUNT)



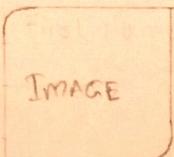
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LOGIN

## SIGN UP AS TUTOR



IMAGE

Upload Image  
Upload CV  
CV-mohit.pdf

Add Bio

First Name

Last Name

PHONE NO.

Email

SUBJECT(S)

GENDER

PASSWORD

CONFIRM PASSWORD

SUBMIT

Mentor  
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Lorem ipsum is simply the random text generated from random text generators, which is really random, here atleast you can understand what is written but in real lorem ipsum, you won't be able to understand anything.

You know the correct way to remember the name lorem ipsum is to remember it like Lauda lassan  
Read more...

IMG

PRATIK LOLA



Lorem ipsum is simply the random text generated from random text generators, which is really random, here atleast you can understand what is written but in real lorem ipsum, you won't be able to understand anything.

IMG

LOLA KAKADIYA



Login

Username

Type your Username

Password

Type your Password

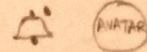
[Forgot password?](#)

LOGIN

Or Sign Up

1

2



PENDING

## Contact Us

We are here to answer any questions that you may have.

Have any suggestions for our platform? Feel free to reach out to us.

If you have any problems or experience any technical difficulties, please do not hesitate to contact us.

We will get back to you as soon as possible.

YOUR NAME

YOUR EMAIL

MESSAGE

CONTACT US



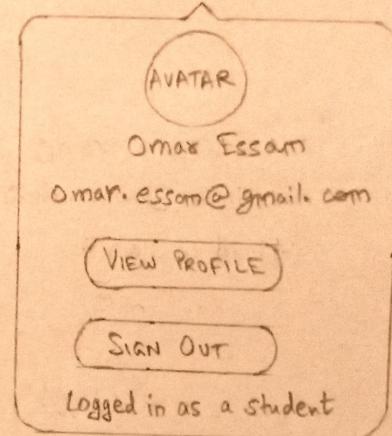
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PAGE, GENERAL INFO  
ABOUT WEBSITE AND FUNCTIONALITY  
Explained.



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(EDIT)

IMAGE

Update Image

FIRST NAME

Johnny

LAST NAME

PILLS

PHONE NO.

+49 99678999901

EMAIL

johnny.bills@hotmail.com

GENDER

MALE

OLD PASSWORD

Enter old Password...

NEW PASSWORD

Enter New Password...

SUBMIT



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AVATAR

HOME

PAGE

### NEW MESSAGES

(IM) Yogita Tomar

Hey, I saw your message & I  
have a free slot. Let us dis...

15:09, 10/12/2021

(IM) Khatachnak Baba

Hey, Pratik, I have a free spot,  
let's discuss

18:37, 12/12/2021

SEE ALL MESSAGES

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## MESSAGES



Yogita Trum  
Maths, Gambling, Games

Hey, I saw your message and I have free slot. let us discuss  
the prospects of keeping a class this weekend, I will share ...

(UNREAD) 15:00, 10/12/2021



Khatarnak Baba  
Astrology, Religion

Hey Pratik, I have free slot let's discuss.

18:37, 12/12/2021

No MORE MESSAGES

Mentor  
me

00

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## MESSAGES

PROFILE VISIBLE

Bill Bates

Hello, I really want to learn Gambling and hacking from you I am  
an eager to learn student, and I want to hack USA' ...

(UNREAD) 16:47, 18/11/2021

Baba Zordas

Hello teacher, I would really like to learn the intricacies of  
Gambling please take me as your student.

(APPROVED) 17:05, 16/11/2021

NO MORE MESSAGES



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ANKIT ANAND

ankit.anand@gmail.com

VIEW PROFILE

SIGN OUT

Logged in as a Tutors

(N)

(X)

Mention me

0 0

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AVATAR

EDIT

IMAGE

Update Image  
Update CV  
CVL-mohit.pdf

Update Bio

FIRST NAME

Dmax

LAST NAME

Essam

PHONE NO.

+49 99678999901

EMAIL

dmax.essam@gmail.com

SUBJECT(S)

Maths, Gambling, Science

GENDER

MALE

OLD PASSWORD

Enter Old Password...

NEW PASSWORD

Enter New Password...

SUBMIT



IMAGE

NAME:- YOGEEETA TRUMP

SUBJECTS:- MATHEMATICS, PHYSICS, ML, GAMBLING

BIO:- I am a passionate teacher who wants to share the complete knowledge that I have.

MESSAGE

REVIEW

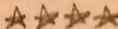
#### RECENT REVIEWS

PRATIK LOLA



Lorum Ipsum is simply the random text generated from random text generators, which is really random, here atleast you can understand what is written but in real lorum. Read more...

LOLA KAKADIYA



Lorum Ipsum is simply the random text generated from random text generators, which is really random.

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YOGEEETA TRUMP  
MATHS, PHYSICS, ML, GAMBLING

THIS IS THE FIRST MESSAGE TO THIS TUTOR

WRITE A GOOD FIRST MESSAGE, SO AS TO CHAT &  
DISCUSS FURTHER WITH THIS TUTOR.

Your Message..



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YOGEEETA TRUMP  
MATHS, PHYSICS, ML, GAMBLING

Hi Sir, I would really love to learn Gambling from you, It is a subject that I am really interested in. I will be going Vegas this Christmas, and I would like to win some money in gambling there. I have seen some of reviews and according to those the principles that you teach helped them win millions of dollars

14:25, 14/12/2021

APPROVAL FROM TUTOR PENDING

Your Message...



Mentor  
me



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YOGEEETA TRUMP  
MATHS, PHYSICS, ML, GAMBLING

Hi Sir, As we discussed earlier let's keep the class on this weekend? I am going to Vegas next week.

15:47, 17/12/2021

X b2B, send on Zoom at 18:00

16:00, 17/12/2021

Your Message...



Mentor  
Me  
OO

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New Requests | Edit Requests

(LOGOUT)

IMAGE

NAME:- OMAR

SUBJECTS:- SOCIAL STUDIES, MATHS

DOWNLOAD CV

VIEW PROFILE

IMAGE

NAME:- ANKIT

SUBJECTS:- ECONOMICS, GAMBUNA

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VIEW PROFILE

NO MORE NEW REQUESTS



Mentor  
me

0 0

New Requests | Edit Requests

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(LOGOUT)

IMAGE

NAME:- JOHNNY

SUBJECTS:- VIDEOGRAPHY, 3D-GEO

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COMPARE CHANGES

NO MORE EDIT REQUESTS

15

8

Mentor  
me

Do

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New Requests | Edit Requests

[LOGOUT]

IMAGE

Download CV

### PREVIOUS DATA

FIRST NAME:- JOHNNY

LAST NAME:- KILLS

PHONE NO.:- +91 99678999901

EMAIL:- johnny.kill@hotmail.com

SUBJECTS:- Maths, Gambling, Science

GENDER:- MALE

IMAGE

Download CV

### NEW DATA

FIRST NAME:- JOHNNY

LAST NAME:- PILLS

PHONE NO.:- +91 99678999901

EMAIL:- johnny.pills@hotmail.com

SUBJECTS:- Maths, Gambling, Science

GENDER:- MALE

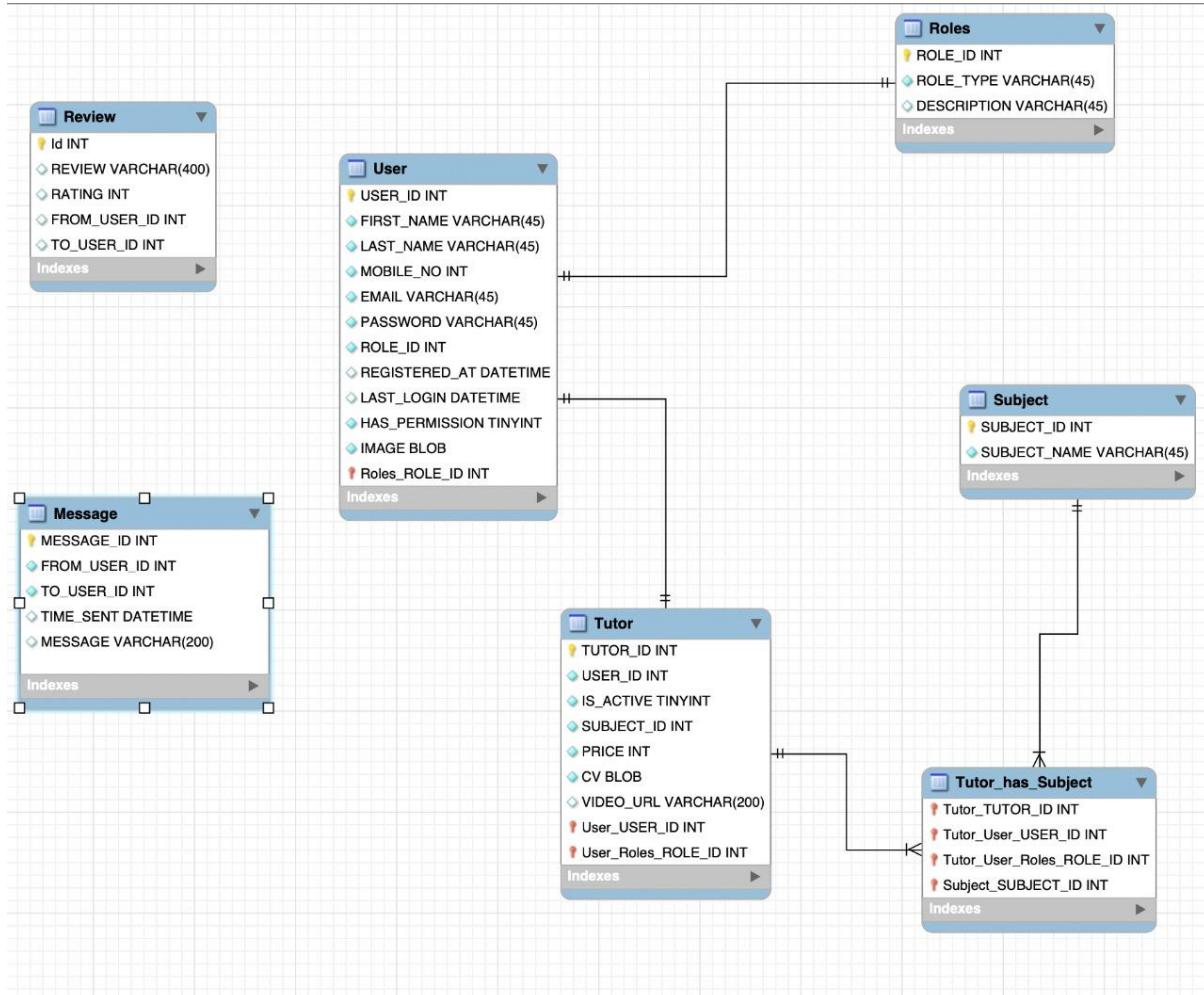
[APPROVE]

[DISAPPROVE]



## High level Architecture, Database Organization

- DB organization:



- Media storage:

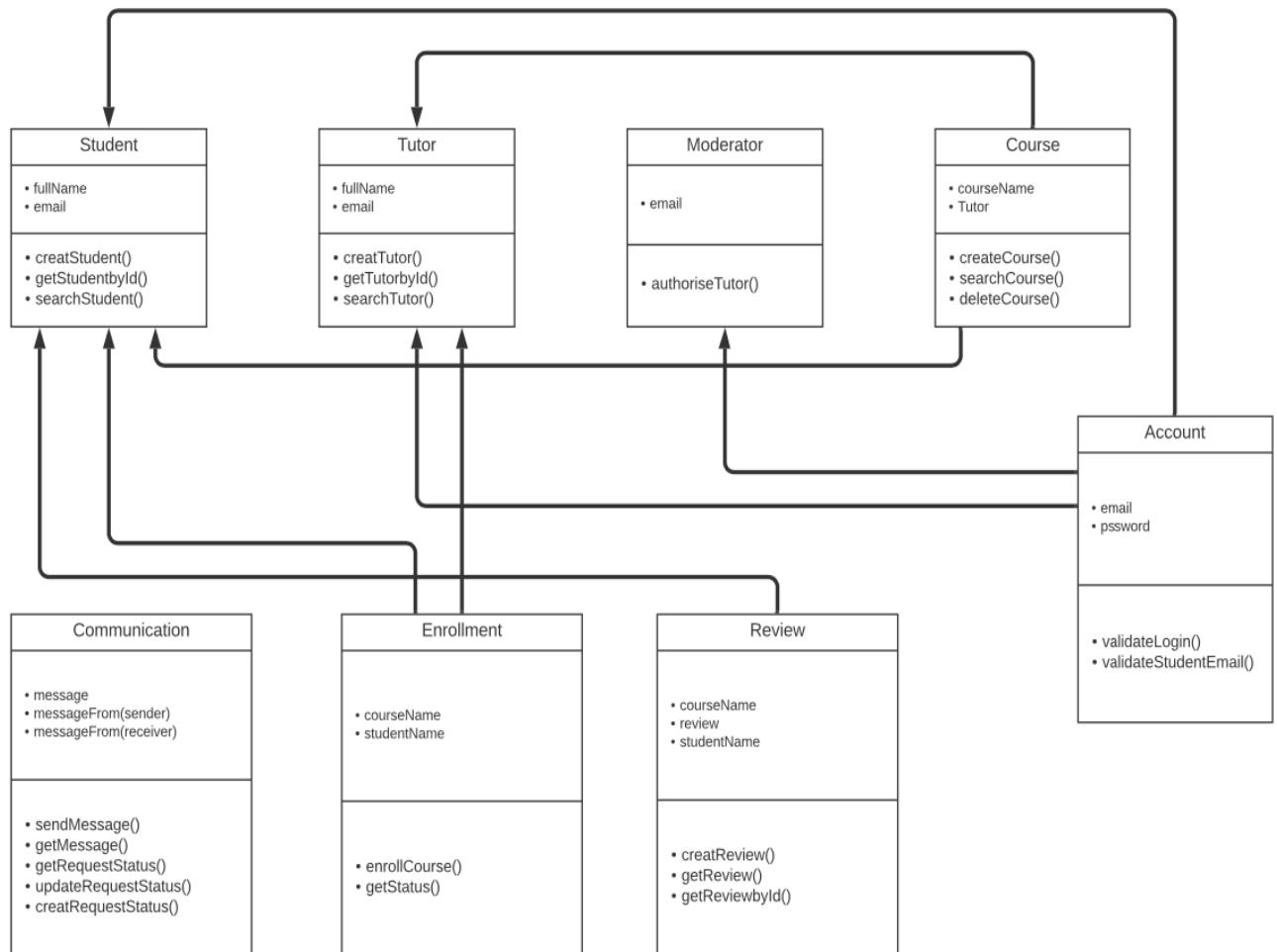
File system (as of now)

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

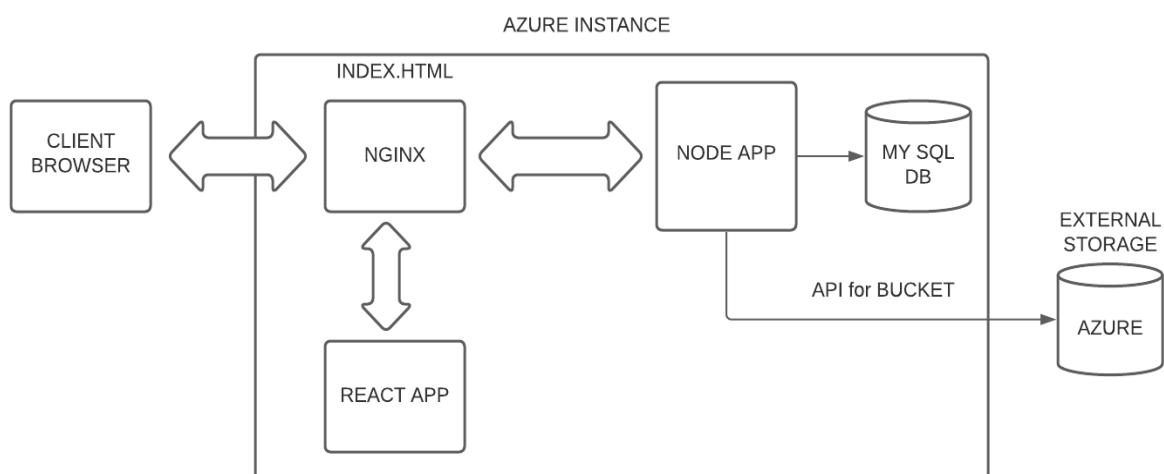
- Search/filter architecture and implementation: Criteria query & %like

## 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 fronted 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.