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Department of Computer Science and Engineering

B.E. CSE Program Accredited by NBA, New Delhi from 1-7-2018 to 30-6-2021

Report on Mini Project

Online Examination System

Course Code: 17CS502

Course Name: RDBMS

Semester: 5 Section: c

Submitted To,

Prof. Sudeepa K.B,

Submitted By:

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Name: Pratheek M.R *USN: 4NM17CS129*

Date of Submission: **6 th November 2019**

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Introduction

The conventional mode of examination has always been plagued by the lack of efficient ways to evaluate the same, specifically objective tests. The key focus in developing the “online Examination Portal “is to resolve the sort of discrepancies which are

- To reduce human errors by automatic test result
- To reduce the usage of sheets and resources by the candidates taking the test.
- Time saved in manually correcting the test

Problem statement

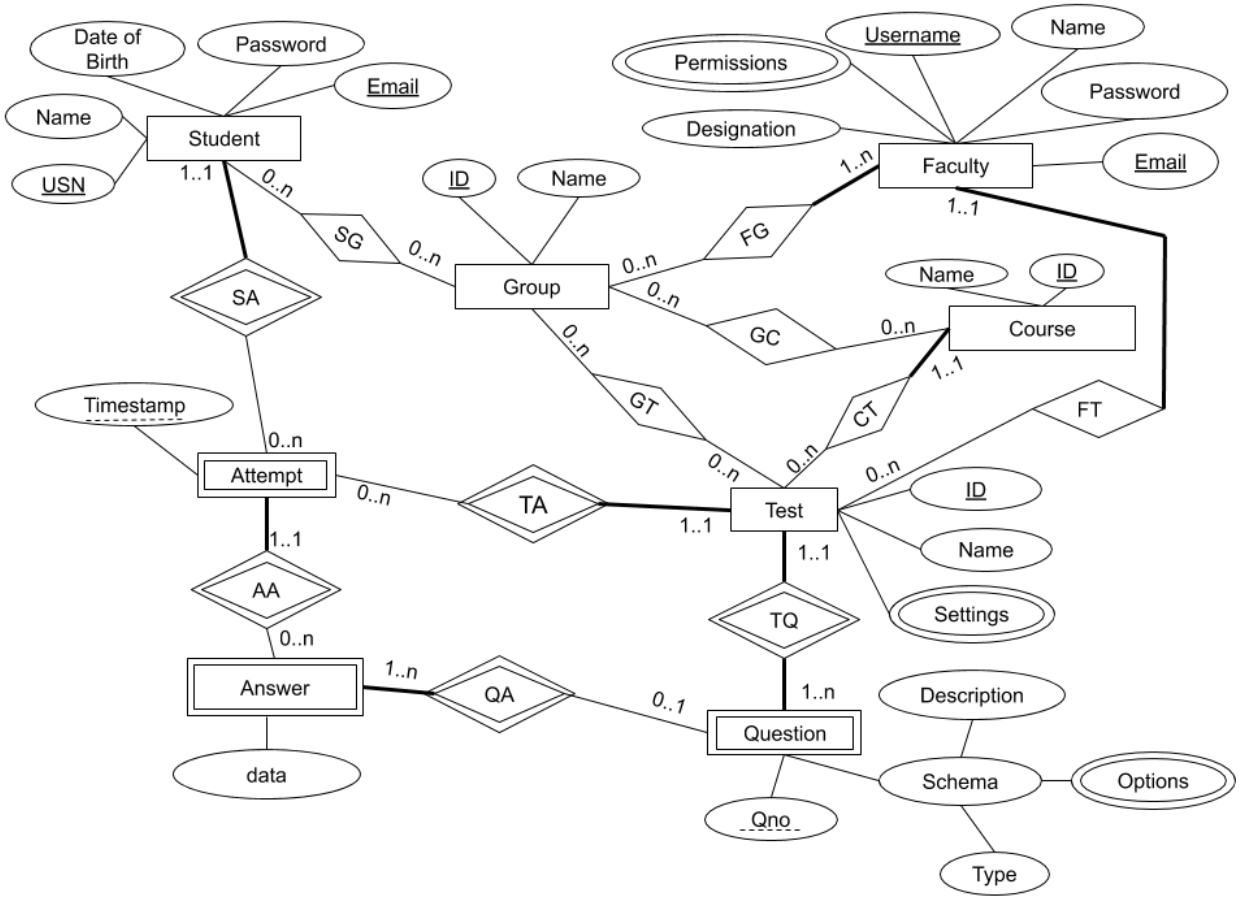
Implement a solution to resolve conduct and evaluate examinations with a focus on reducing the time and resources involved in evaluating the subjective/objective examinations to a minimum and increasing the quality of the answers.

Objective

Design and implement online software that is able to provide support for different forms of examination with a key focus on reducing discrepancies in conventional examinations and provide comprehensive student performance reports.

Implementation Details/Methodology

ER Diagram



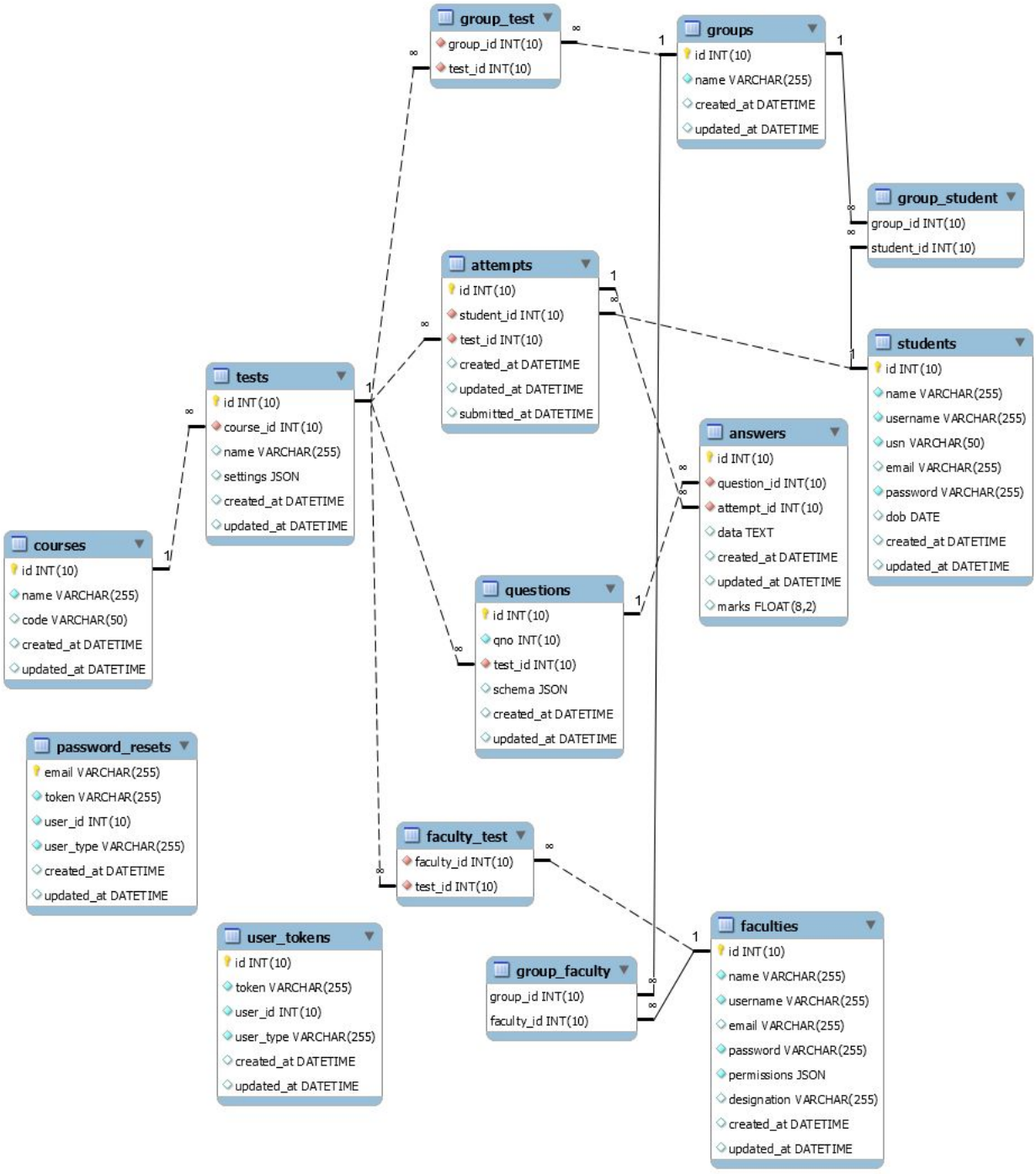
Entities

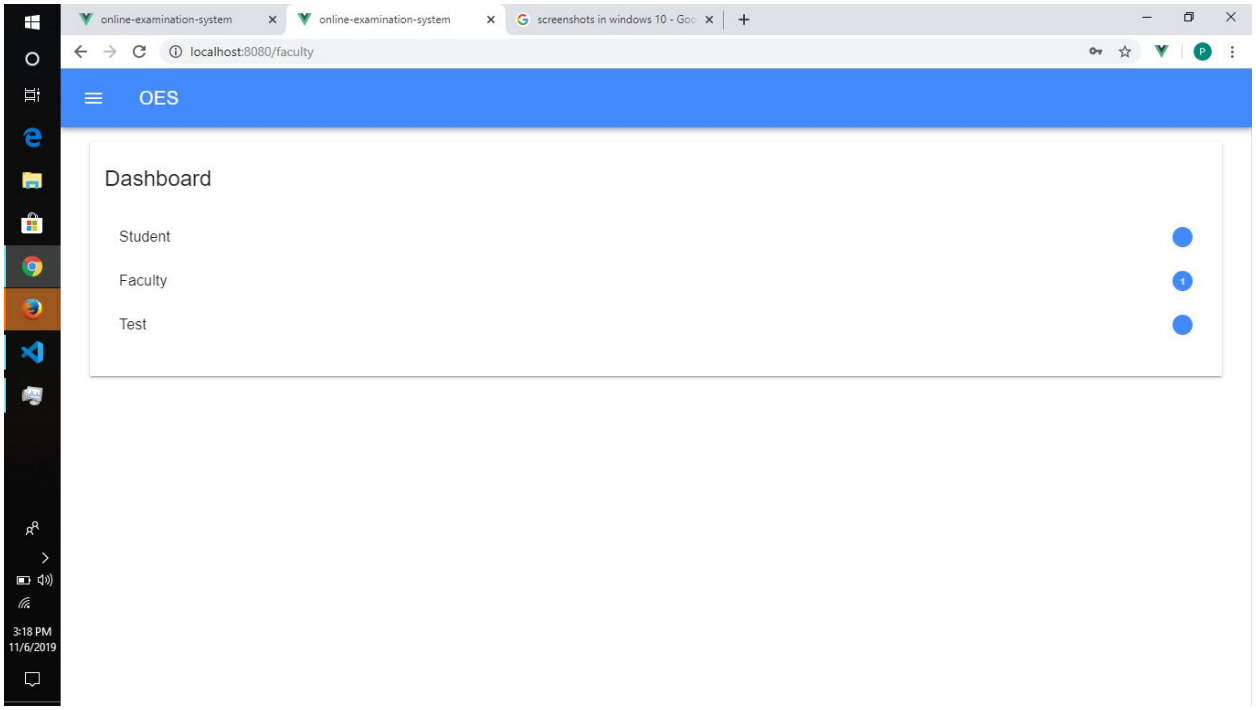
1. Administrator: represents a faculty that is able to perform privileged actions based on the permissions assigned
2. Student: represents a student
3. Group: represents a group of students and faculty
4. Course: represents a subject or a course
5. Test: represents a test or an examination
6. Question: represents a question in a test
7. Attempt: represents an attempt by a student to answer a test
8. Answer: represents an answer to a question given by the student in an attempt

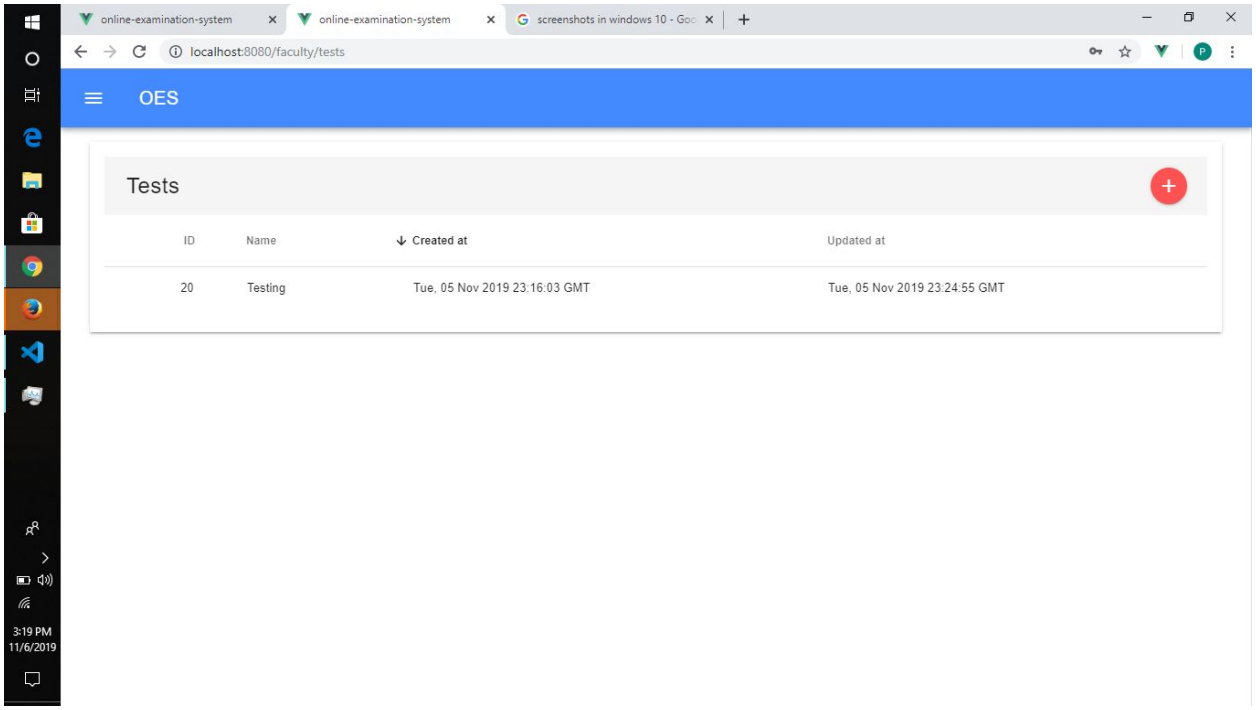
Relationships

1. SG - A student can be present in 0-n groups. Each group can have 0-m students
2. FG - A faculty can be present in 0-n groups. Each group must have at least 1 faculty
3. GC - A group can have 0-n courses assigned to it. Each course can have 0-m groups that have it assigned to them
4. GT - A group can have 0-n test assigned to it. A test can have 0-m groups to which it is assigned
5. FT - A faculty can have 0-n tests which they can manage. A test can have 0-m faculties managing it
6. CT- A course can have multiple tests but a test must belong to only 1 course
7. TQ - A test has 0-n questions. A question can belong to only 1 test
8. SA - A student can have 0-n attempts to write tests. An attempt belongs to only 1 student
9. TA - A test can have 0-n attempts. An attempt belongs to only 1 test
10. AA - An attempt can have 0-n answers but an answer must belong to an attempt
11. QA - A question can have 0-n answers but an answer must belong to a question

Database Structure




online-examination-system
online-examination-system
screenshots in windows 10 - Goo
localhost:8080/faculty
OES
Dashboard
Student
Faculty
Test
3:18 PM
11/6/2019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ID
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Updated at
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Tue, 05 Nov 2019 23:24:55 GMT
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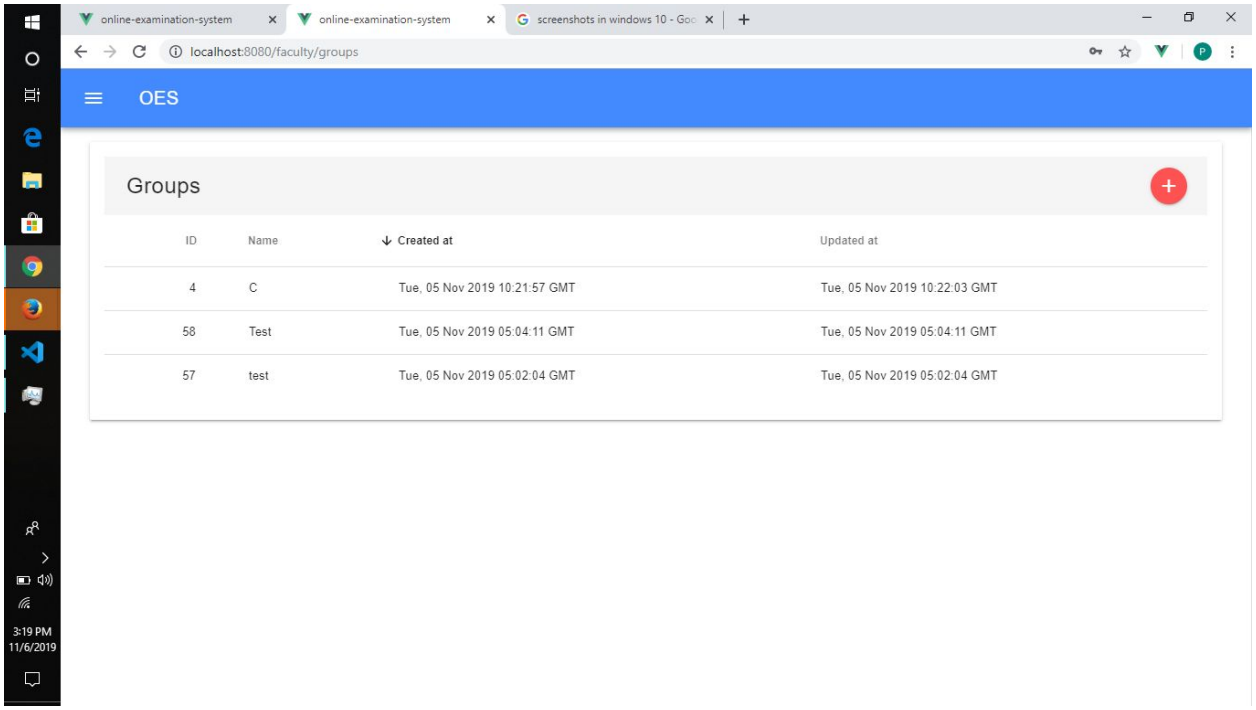
11/6/2019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OES
Groups
ID
Name
Created at
Updated at
4
C
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Tue, 05 Nov 2019 10:22:03 GMT
58
Test
Tue, 05 Nov 2019 05:04:11 GMT
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57
test
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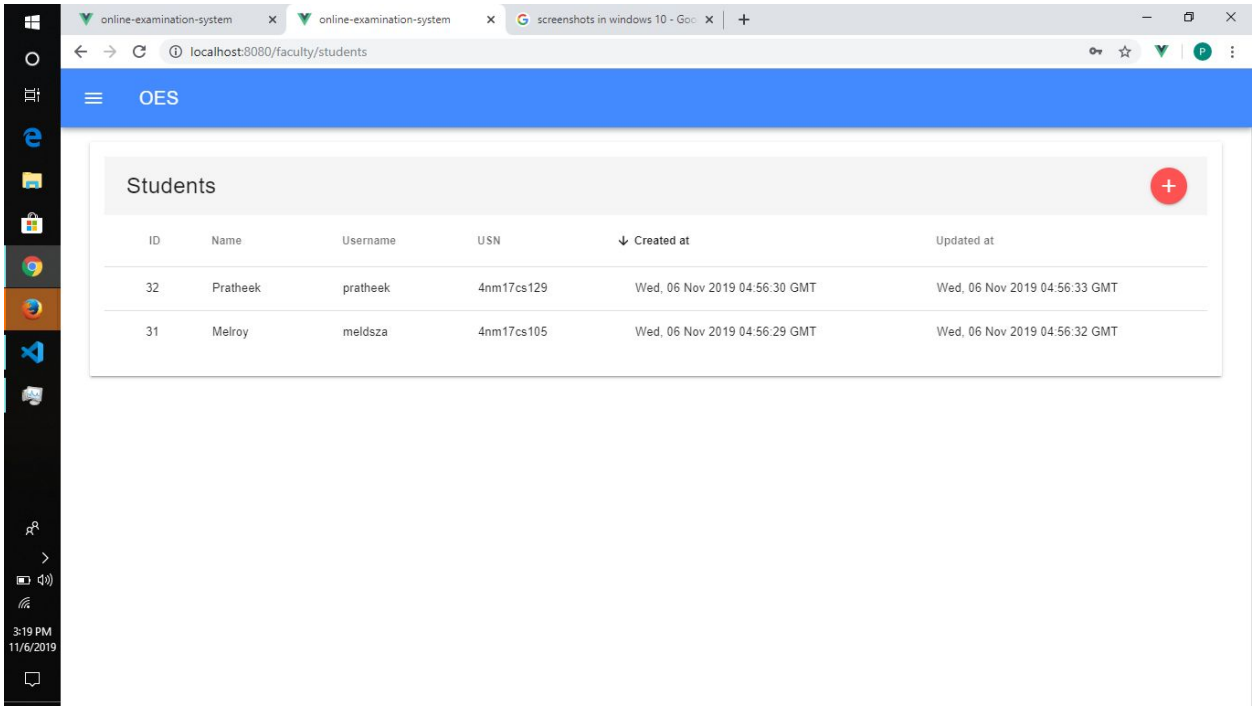
11/6/2019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localhost:8080/faculty/students
OES
Students
ID
Name
Username
USN
Created at
Updated at
32
Pratheek
pratheek
4nm17cs129
Wed, 06 Nov 2019 04:56:30 GMT
Wed, 06 Nov 2019 04:56:33 GMT
31
Melroy
meldsza
4nm17cs105
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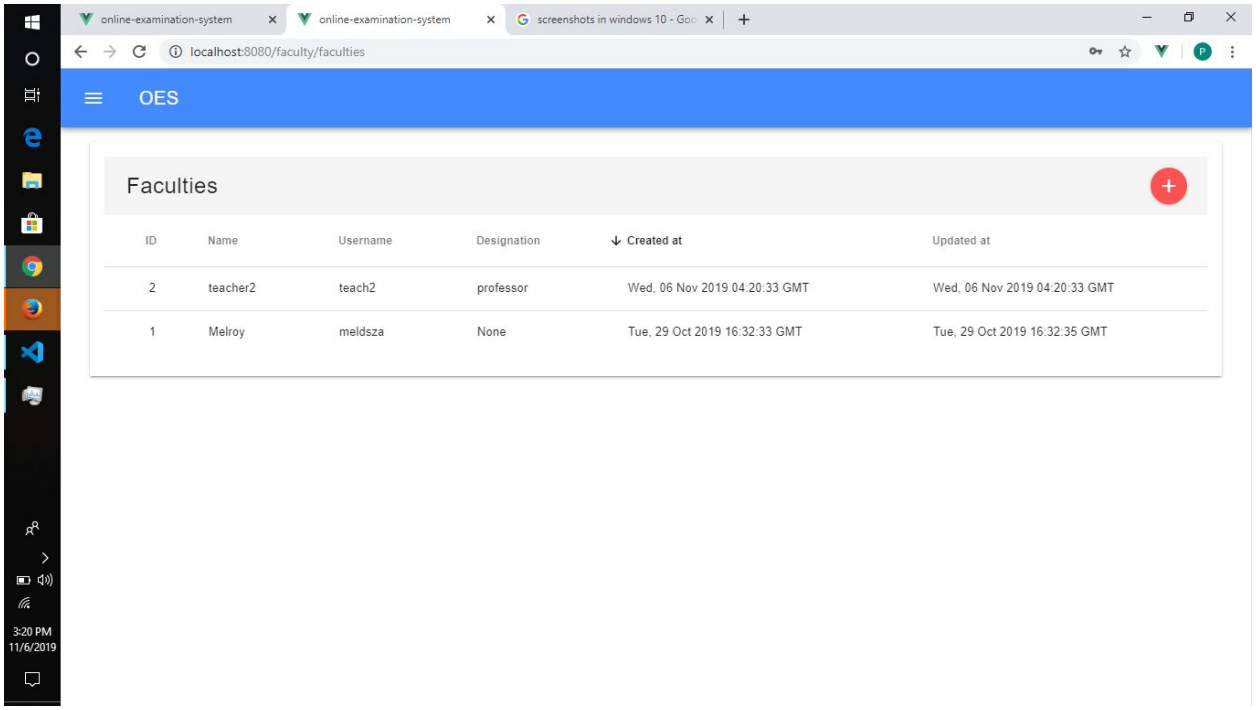
11/6/2019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OES
Faculties
ID
Name
Username
Designation
Created at
Updated at
2
teacher2
teach2
professor
Wed, 06 Nov 2019 04:20:33 GMT
Wed, 06 Nov 2019 04:20:33 GMT
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Melroy
meldsza
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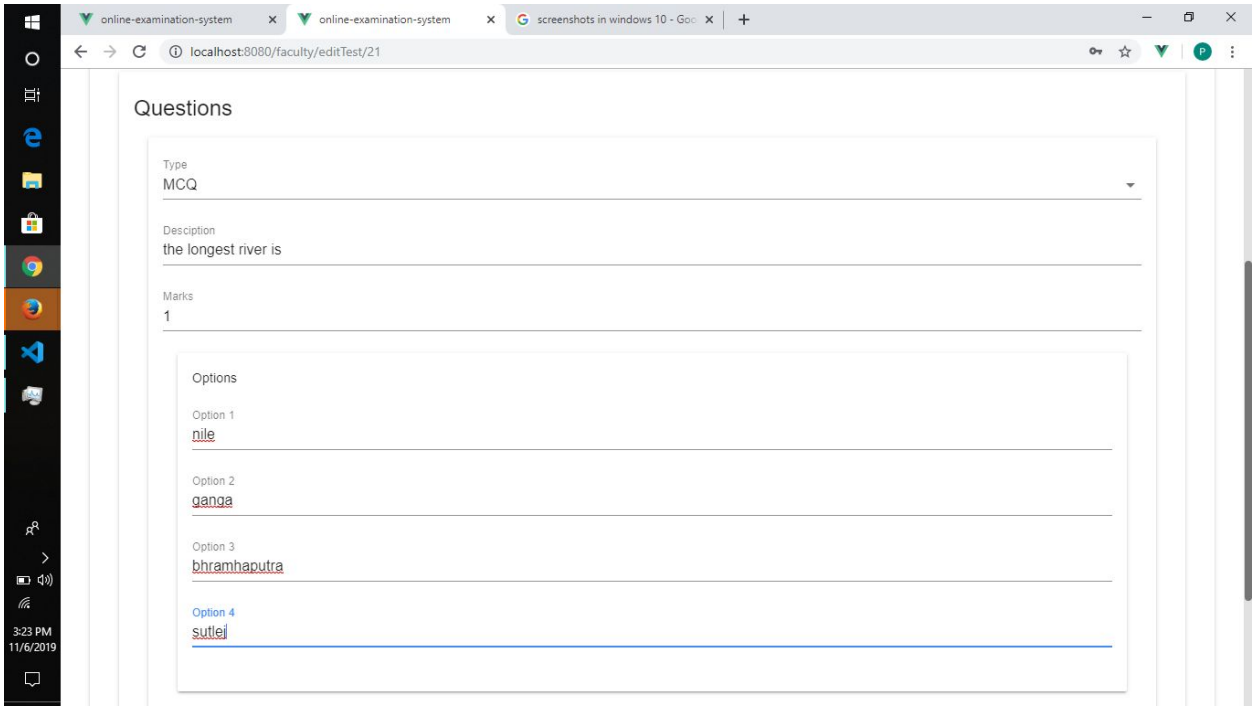
11/6/2019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screenshots in windows 10 - Goo
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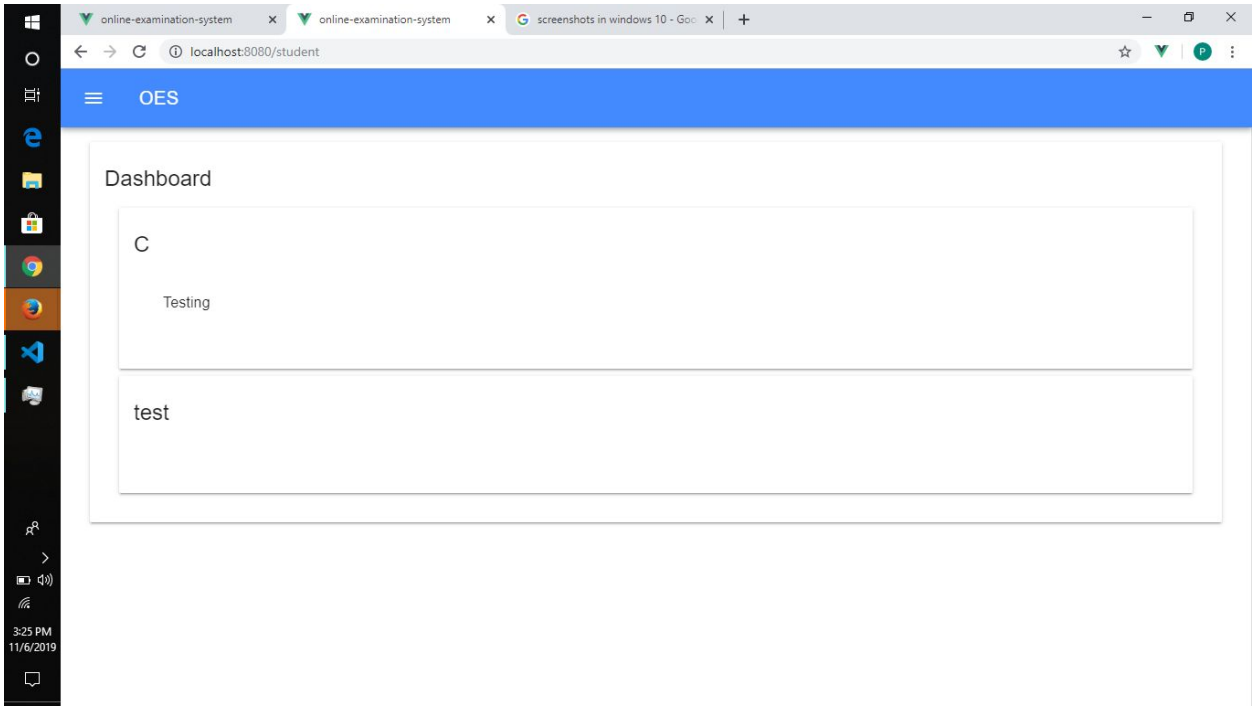
Questions
Type
MCQ
Desciption
the longest river is
Marks
1
Options
Option 1
nile
Option 2
ganga
Option 3
bhramhaputra
Option 4
sutlej
3:23 PM
11/6/2019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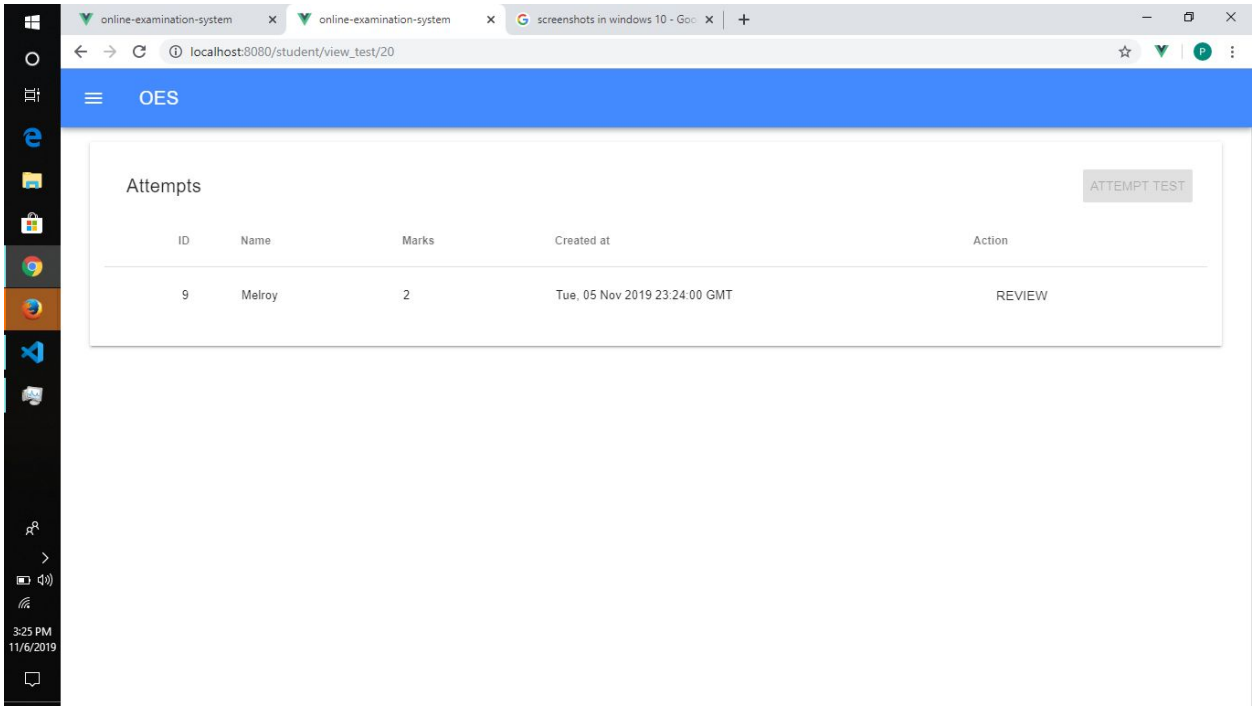
OES
Dashboard
C
Testing
test
3:25 PM
11/6/2019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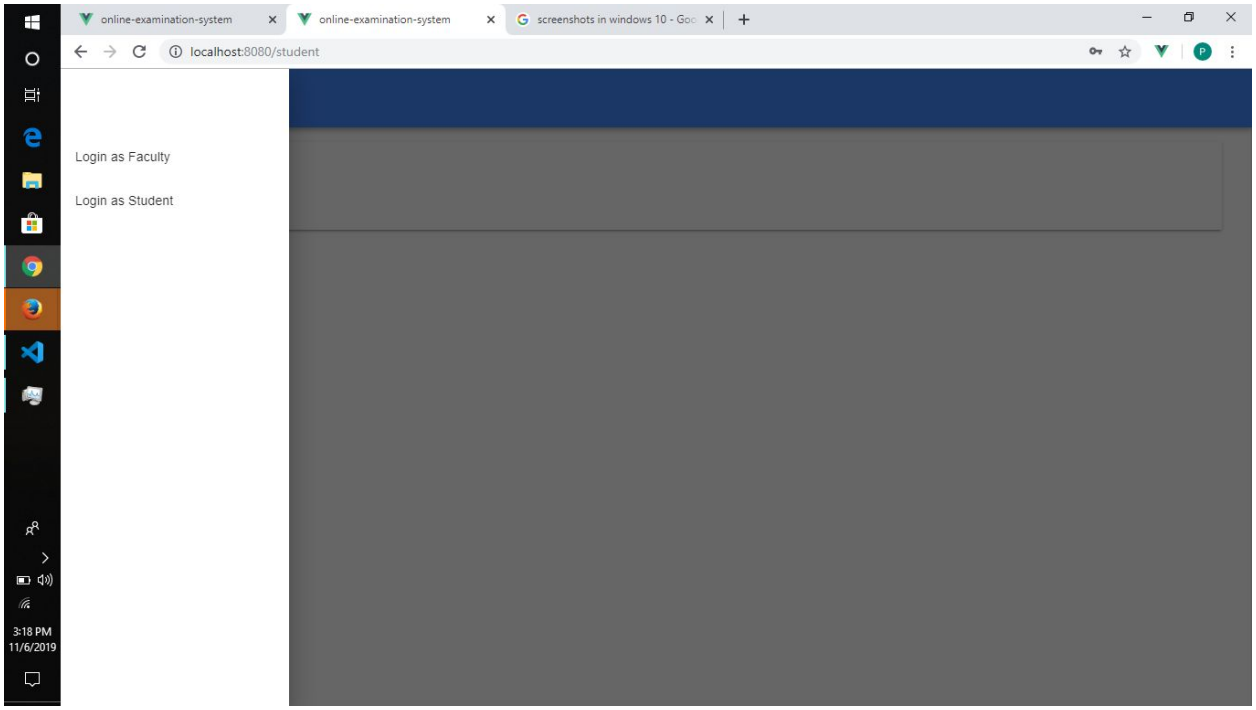
online-examination-system
screenshots in windows 10 - Goo
localhost:8080/student/view_test/20
OES
Attempts
ATTEMPT TEST
ID
Name
Marks
Created at
Action
9
Melroy
2
Tue, 05 Nov 2019 23:24:00 GMT
REVIEW
3:25 PM
11/6/2019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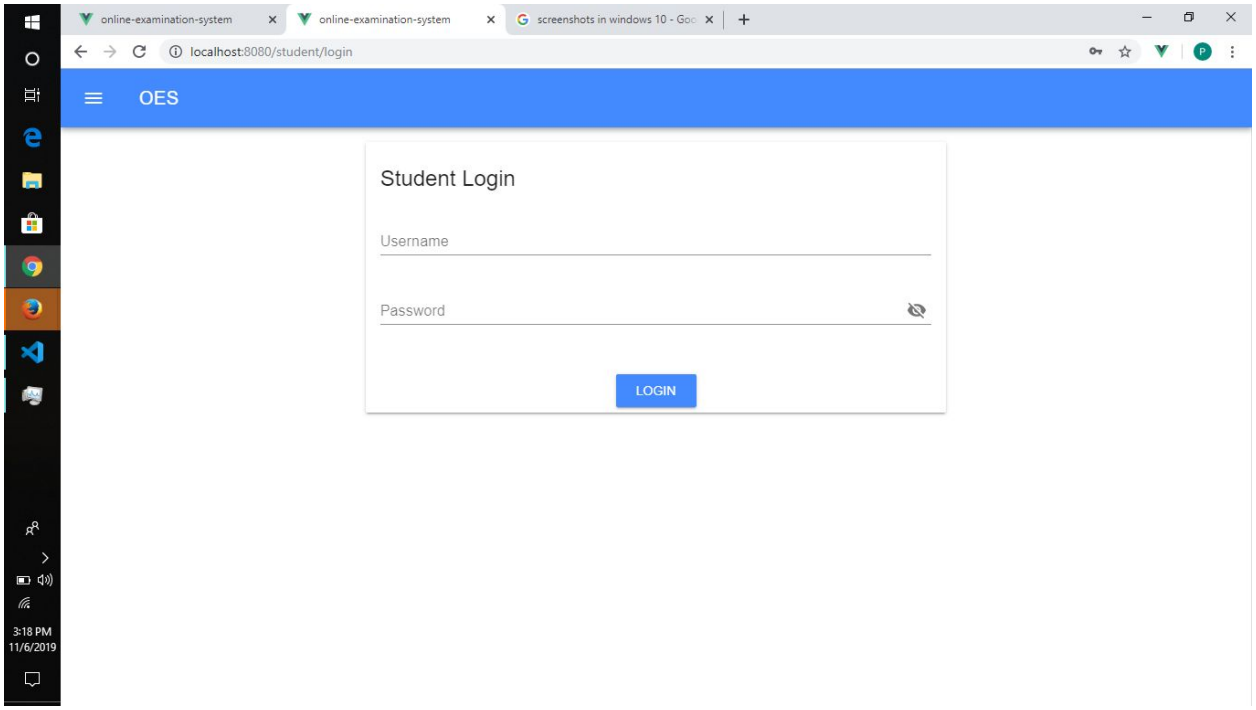
localhost:8080/student
Login as Faculty
Login as Student
3:18 PM
11/6/2019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online-examination-system
screenshots in windows 10 - Goo
localhost:8080/student/login
OES
Student Login
Username
Password
LOGIN
3:18 PM
11/6/2019