

EzExam

Online Examination Application

Team GPS

Design Documentation

Jennifer Gamboa, Rohan Patel, Twisha Patel, Aye Swe

San Jose State University

CMPE/SE 131

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A Quick Recap

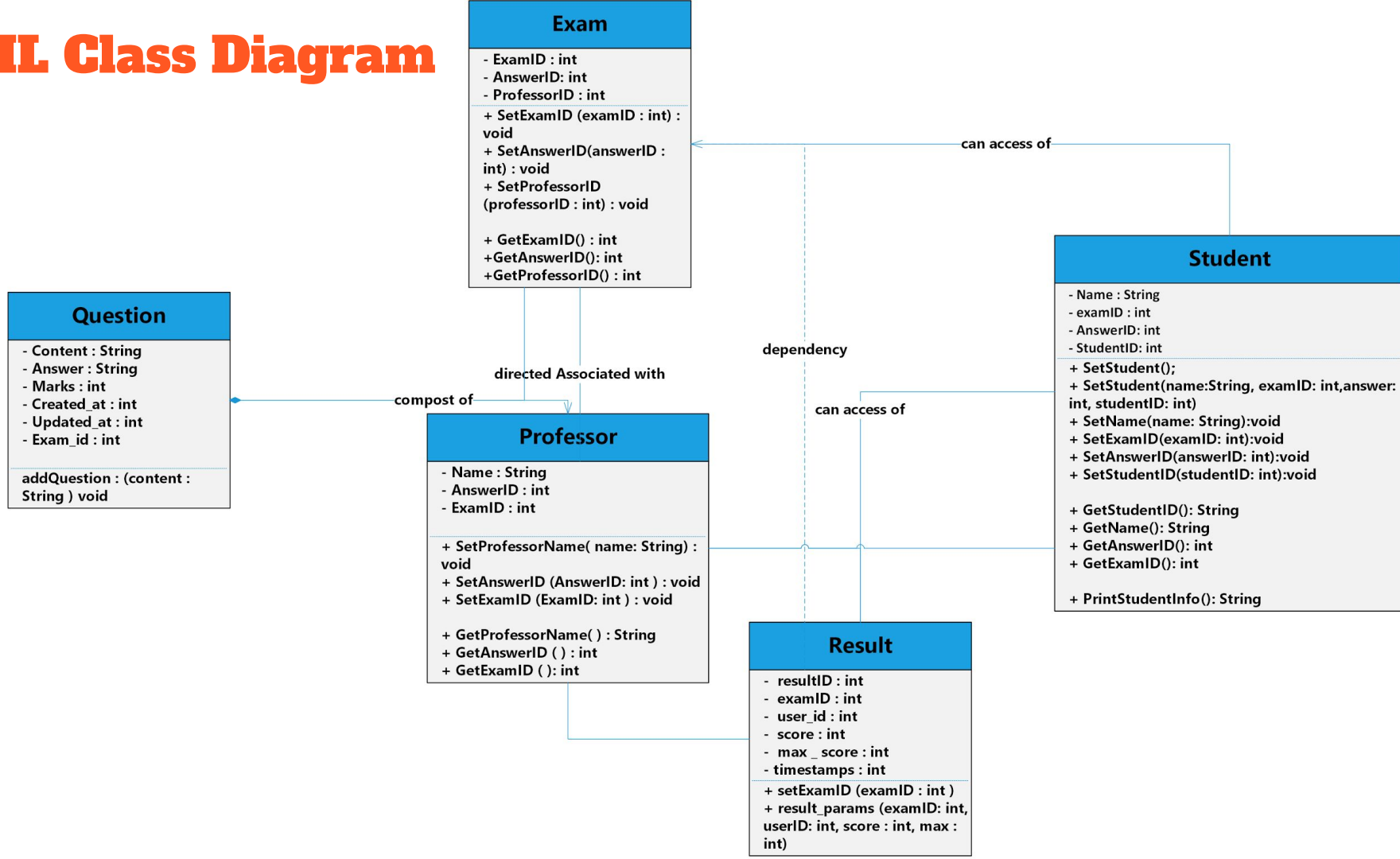
Objective:

- EzExam was designed to change the conventional process of conducting and taking a test.
- Designed to facilitate user and administrator through a fully automatic system.

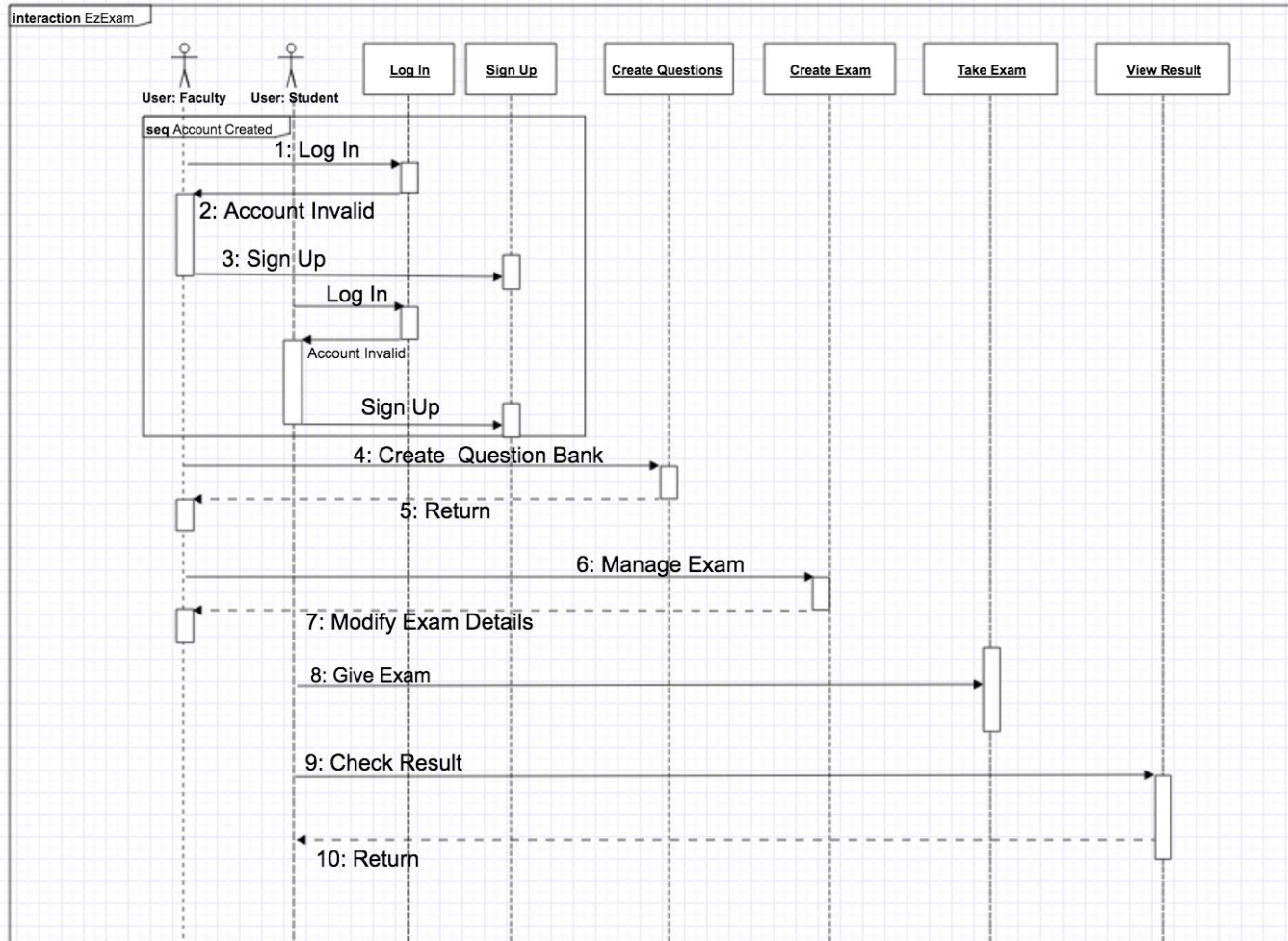
Integrated online examination system that:

- Reduces paperwork
- Efficient, convenient and less stressful
- Time saver
- Assess students by conducting online objective exams
- Allow professors to create exams easily
- Can help both professors and students improve their examination experience

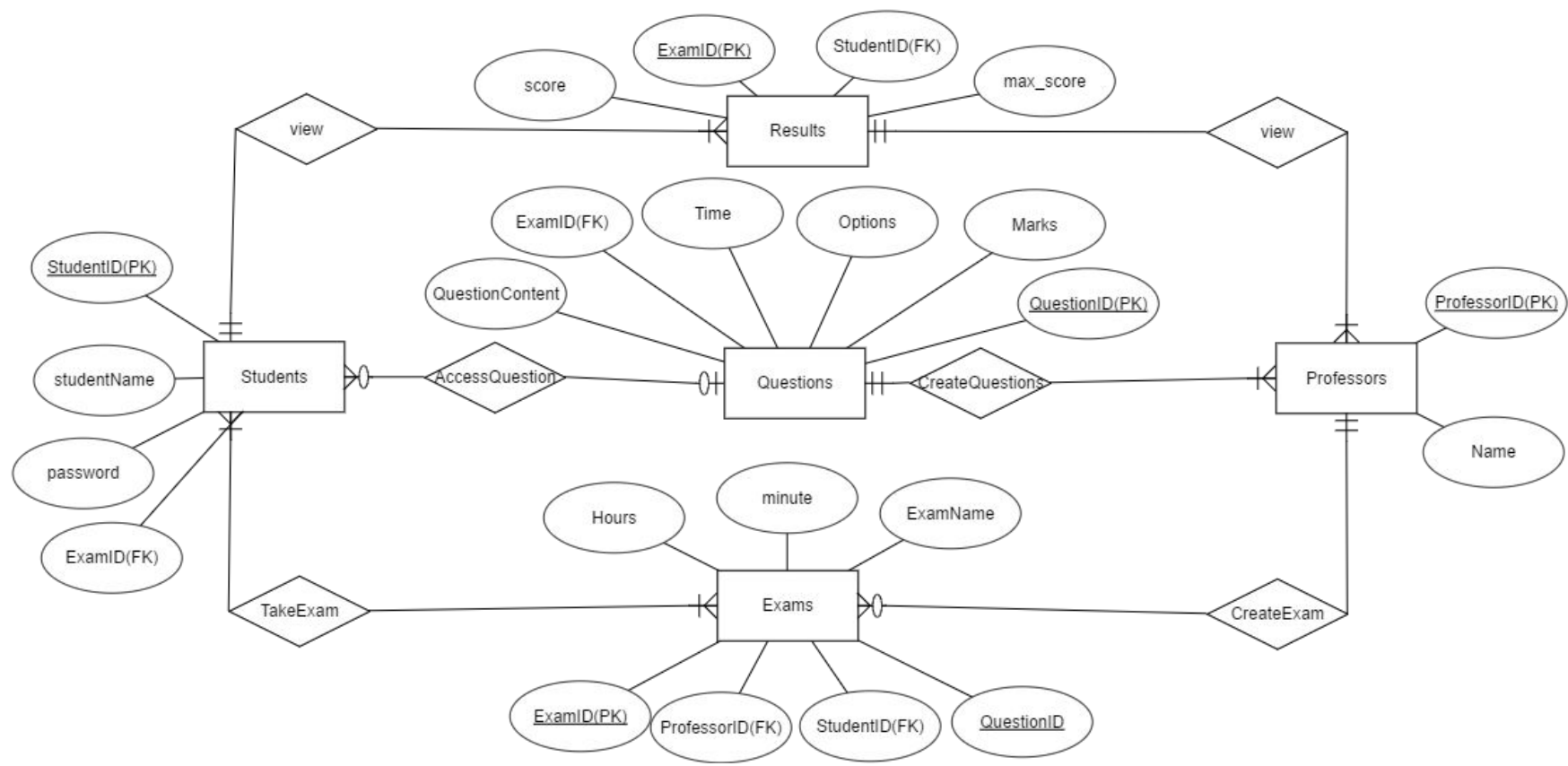
UML Class Diagram



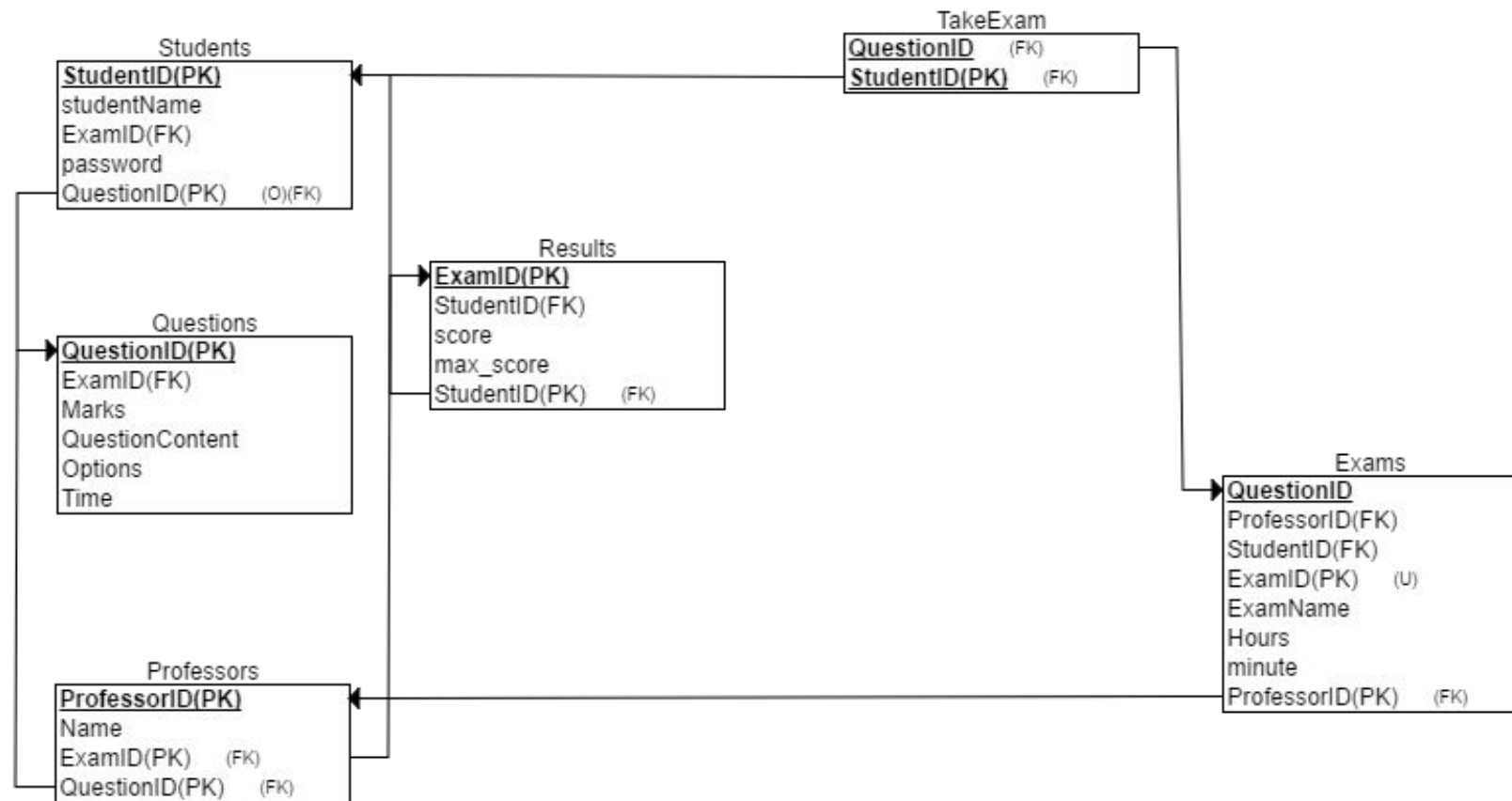
UML Sequence Diagram



Entity-Relationship(ER) Diagram



Relational Schema Diagram



Screenshots of our working demo

Login page

The screenshot shows a web browser window titled 'EzExam' with a dark blue header and footer. The main content area is grey. A modal window is open in the center, allowing a user to log in as a teacher. The modal has tabs for 'Student' and 'Teacher', with 'Teacher' selected. It contains fields for 'Email' and 'Password', a 'Remember me' checkbox, a 'Log in' button, and links for 'Log in', 'Sign up', and 'Forgot your password?'. A 'Close' button is at the bottom right of the modal. The background page has a dark blue header with 'Examination' and 'Exams Login', and a dark blue footer with '© Copyright @SJSU', 'Sign up', 'Exams', and 'Support'.

Examination

Exams Login

Exams

Exam

Student **Teacher**

Log in

Email

Password

☐ Remember me

Log in

[Log in](#)

[Sign up](#)

[Forgot your password?](#)

Close

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Sign up Exams Support

Sign-up page

The screenshot shows a web browser window with the title 'EzExam'. The address bar displays 'Not Secure 0.0.0.0:3000/users/sign_up'. The page has a dark blue header with 'Examination' on the left and 'Exams' and 'Login' on the right. The main content area is titled 'Sign up' and contains three input fields: 'Email', 'Password', and 'Password confirmation'. The 'Password' field has a note '8 characters minimum'. Below the fields are 'Sign up' and 'Log in' links. The footer is dark blue with '© Copyright @SJSU' on the left and 'Sign up', 'Exams', and 'Support' on the right.

Examination Exams Login

Sign up

* Email

* Password

8 characters minimum

* Password confirmation

Sign up

[Log in](#)

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Professor View

Prof. View of the Exam page:

- Take Exam
- Results
- Create new Exam

EzExam

0.0.0.0:3000/exams

Exams Logout

Examination

Exams Logout

Exams

New Exam

Exam	
Cmpe - 131 Midterm Exam - 1	<div>Take ExamResultDelete</div>

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Sign upExamsSupport

Professor View

Create a New Exam

The screenshot shows a web browser window with the title 'EzExam'. The address bar displays '0.0.0.0:3000/exams/new'. The browser's toolbar includes navigation buttons, a search icon, and several extension icons. The page has a dark blue header with 'Examination' on the left and 'Exams' and 'Logout' on the right. The main content area is titled 'New exam' and contains a form with a 'Name' label and a text input field. Below the input field is a 'Create Exam' button and a 'Back' link. The footer is dark blue and contains the text '© Copyright @SJSU' on the left, and 'Sign up', 'Exams', and 'Support' on the right.

Examination Exams Logout

New exam

Name

Create Exam

[Back](#)

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Professor View

Edit or Create new questions

EzExam

0.0.0.0:3000/exams/3

Rohan

Examination

ExamsLogout

Questions

New Question

Content	Answer	Marks	
---------	--------	-------	--

Edit

Back

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0.0.0.0:3000/exams/3/questions/new

Sign upExamsSupport

Professor View

Question Form

EzExam

Rohan

0.0.0.0:3000/exams/3/questions/new

Examination

Exams Logout

New question

Question

Answer

Marks

Options

Option

Remove

Option

Remove

Option

Remove

Add an option

Create Question

[Back](#)

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Sign up Exams Support

Professor View

Shows all created questions within the exam

Examination

ExamsLogout

Questions

New Question

Content	Answer	Marks	
What does MVC stand for?	Model-View-Controller	1	<div>EditDestroy</div>
What does ER stand for?	Entity Relationship Diagram	1	<div>EditDestroy</div>
What command helps to start the rails server?	rails s	1	<div>EditDestroy</div>
What command is needed to move from the current version to a newer version and can apply any new changes to your schema?	rake db:migrate	1	<div>EditDestroy</div>
Bundler provides a consistent environment for Ruby projects by tracking and installing the exact gems and versions that are needed. What command is use for installing it?	bundle install	1	<div>EditDestroy</div>

Edit

Back

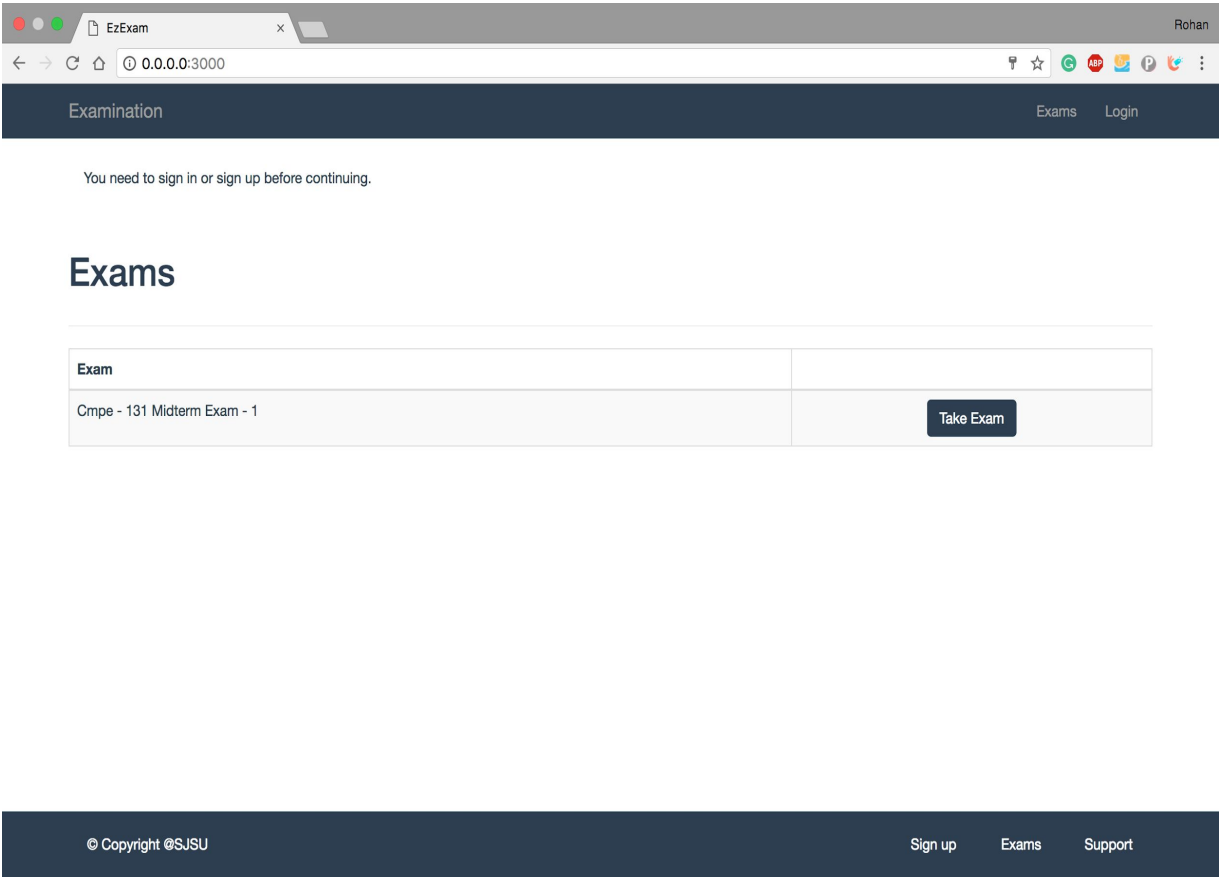
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0.0.0.0:3000/exams/4

Sign upExamsSupport

Student View

Student View of exam page



Student View

Question form when a student takes the exam

Examination

[Exams](#) [Logout](#)

Quiz

Question : What command helps to start the rails server?

- ☐ rails
- ☐ rails s
- ☐ \$rails s
- ☐ None

Answer

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[Sign up](#)

[Exams](#)

[Support](#)

Student View

Results Page after
student takes exam

Examination

Exams Logout

Result

You got 5 correct out of 5.
Maximum Possible Score : 5

Score : 5

Done

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Sign up

Exams

Support

Professor View










Results Page from
professor view:
-Shows all students and
their score

Examination

ExamsLogout

Result

Result in Excel Sheet

Sr. No.	Student	Marks Obtained	Result	Download Result as PDF
1	12@12.com	5	Pass	
2	12@12.com	5	Pass	
3	12@12.com	5	Pass	
4	prohan14498@gmail.com	5	Pass	
5	12@12.com	5	Pass	
6	12@12.com	4	Pass	
7	12@12.com	4	Pass	
8	12@12.com	4	Pass	
9	12@12.com	3	Pass	

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Sign upExamsSupport

Professor View

Results Page:
-Able to save file(s) both
in excel and pdf

Examination

Result

Sr. No.	
1	12@12.com
2	12@12.com
3	12@12.com
4	prohan14498@gm
5	12@12.com
6	12@12.com
7	12@12.com
8	12@12.com
9	12@12.com

Save As: results.xls

Tags:

< > ⌵ ⌶ ⌷

Desktop

Q Search

Shared

raspberrypi (VNC S...

Favorites

iCloud Drive

Applications

Desktop

Google Drive

Documents

Downloads

Creative Cloud Files

Devices

Rohan's Mac

Remote Disc

Tags

00_TV SERIES

00CS_46A_C...002837Z.zip

146_Potika

ALL I WANT!!

Bank of Ame...nd Money.pdf

Charges Due.pdf

Class schedule

class.jpg

CMPE 102

Cmpe 102 Spring_2017

Cmpe 120 BOOK

CMPE 131 FALL 2016

Cmpe 131 Spring_2017

Conceptual_m GPS-1.docx

CS 146 BOOK

CS_46_SPRING'17

CS_146_POT...Y MATERIAL

DataStructuresV2-master.zip

Design Document.pdf

DHANANJAY...6_Workspace

Format: Microsoft Excel 97-2004 Works...

☐ Hide extension

New Folder

Cancel

Save

Exams Logout

Result in Excel Sheet

Download Result as PDF

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Thank you