



Interim Presentation

A Platform for Undergraduate Internship Management

IS 2102 - Group Project 1
IS Group 23

Our Group Members



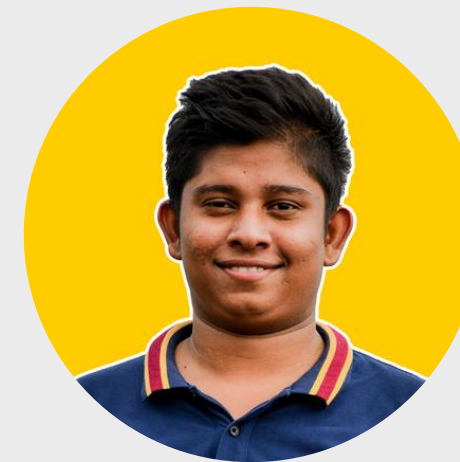
Ruchira
2020/IS/109



Namadee
2020/IS/053



Geeth
2020/IS/113



Ravindu
2020/IS/050

Project Supervisor - **Ms. A L Nanayakkara**

Project Co-supervisor - **Mr. Thusara Ekanayake**



CONTENT



1 INTRODUCTION

2 SYSTEM ARCHITECTURE

3 OUR PROGRESS

4 TECHNICAL EXPOSURE

5 QUALITY ASPECTS

6 DEPLOYMENT PLAN

7 DEMONSTRATION





01 INTRODUCTION

PROBLEM DEFINITION

At present, the entire 3rd-year undergraduate industry placement process at UCSC is carried out manually, which can result in significant inefficiencies.

CHALLENGES FOR PDC

- Lot of Manual Handling Processes
- Lengthy Communication Procedure
- Tendency for Misplacement of Documents



CHALLENGES FOR STUDENTS



- Lack of Transparency
- Less Inconvenience when Applying for Internships
- Difficulty in Reviewing all the Advertisements and Companies

CHALLENGES FOR COMPANIES

- Need to Review each Student's CV Manually
- Lack of Convenience in Communicating Student Recruitment Status
- Inability to Review other Skills Sets of Students



OUR SOLUTION

An all in One web-based platform to automate industry placement process for UCSC undergraduates.

Maximizing overall efficiency by reducing time consumption for PDC, companies and students

~ PROJECT GOAL ~



MAJOR FUNCTIONALITIES

STUDENT

- Maintain a Complete Student Profile including the CV
- Apply for Internship Advertisements
- View Requests Status
- Reserve Interview Timeslots



PDC

- Register Students and Companies (**Batch wise or one by one**)
- Manage Students and Companies
- Send Company Invitation
- View & Approve Internship Advertisements
- View Student Request Status
- Download Rejected Students List (**After 2nd attempt**)



COMPANY

- Maintain a Company Profile
- View Student Requests & their Profiles
- Download CVs
- Shortlist Students
- Schedule Interviews
- Recruit Students





ADMIN

- View Students and Companies
- Manage PDC Users
- Generate Reports
- Manage Complaints

PANEL FEEDBACK AND OUR PROPOSED SOLUTIONS

Suggestion 1 - Interview Scheduling Functionality

Create Interview Schedule

Software Engineer - Virtusa

Date Period

 -

Interview
Duration

30 min

Select the day

MON TUE WED

☒☐☐

THU

FRI

SAT

☐☐☐

SUN

☐

09:00 AM

-

12:00 AM



01:00 PM

-

05:00 PM



+ Time Slot

Save

Web Development Internship Schedule

► 02/02/2022 - Monday - 9.30 to 12.00

09.30 to 10.00 ☒

10.00 to 10.30 ☐

11.00 to 11.30 ☐

11.30 to 12.00 ☐

► 02/02/2022 - Monday - 1.00 to 3.00

► 10/02/2022 - Tuesday - 9.30 to 12.00

Submit

Student Profile



Hello! I'm **Ruchira Bogahawatta**

Award-winning web developer and instructor with 10+ years' of well-rounded experience in lamp development, object-oriented and user-centered design, seeks a position with a top technology firm.

Stream

Information Systems

Contact

071 2224585

School

St.Joseph's College,
Colombo

Interested Areas

Machine Learning

Dev Ops

AI

Mobile Dev

Extra Curricular

First XV - Rugby
St.Joseph's College, Colombo

Content Writer
Colombo Beacon

Experience

SEO Intern
Commercial Technologies Plus
6 months

Content Writer
Freelance
1 year

Web Developer - Front End
Tech Venturas
1 year

Qualifications

The Chartered Institute of Marketing
Diploma in Professional Marketing

Institute of Chartered Accountants of Sri Lanka
Grade: Reading for Corporate Level



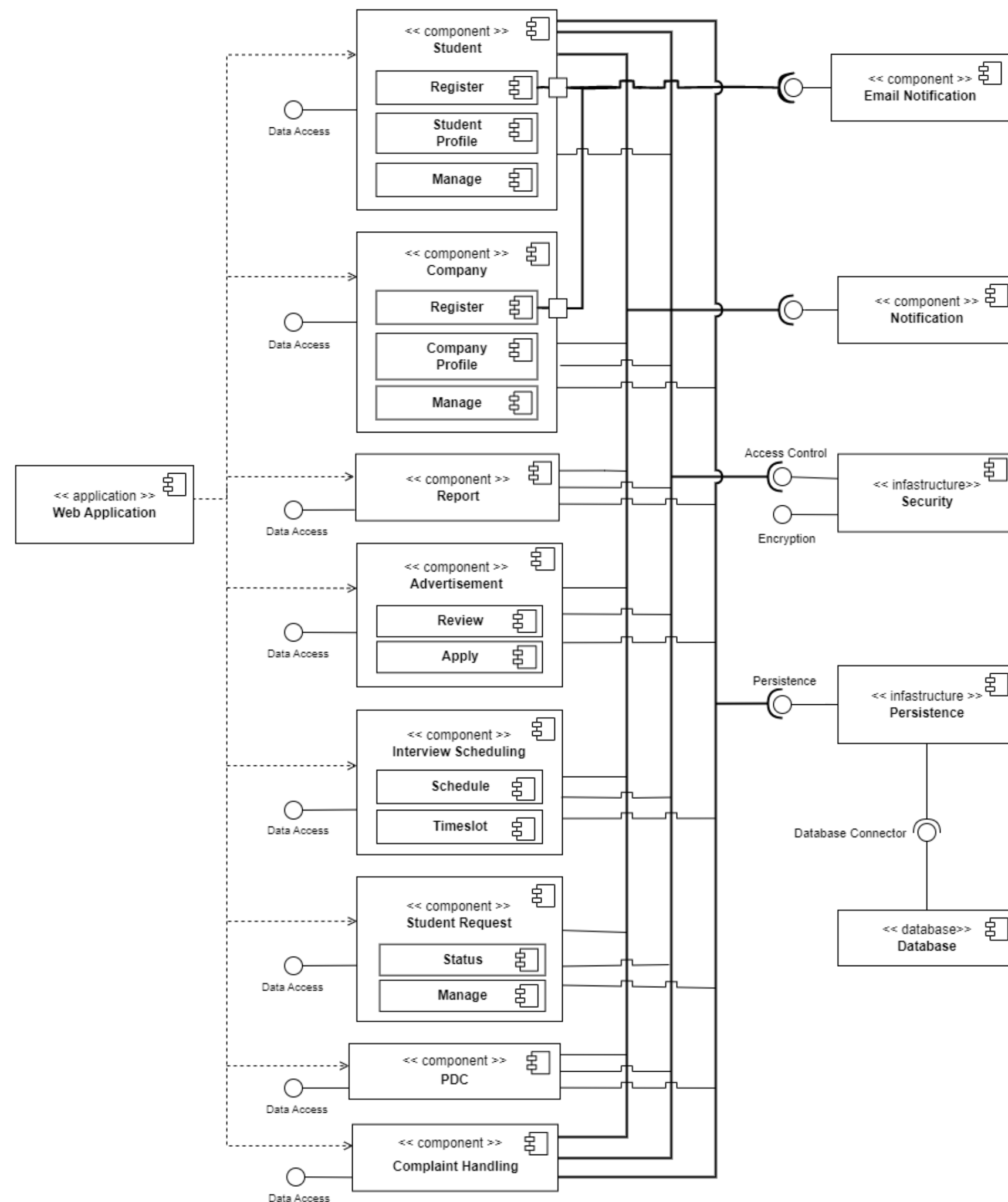
✉ ruchira.bogahawatta@gmail.com

📄 Download CV

Suggestion 2 – A Common Template for Students

02 SYSTEM ARCHITECTURE

COMPONENT DIAGRAM



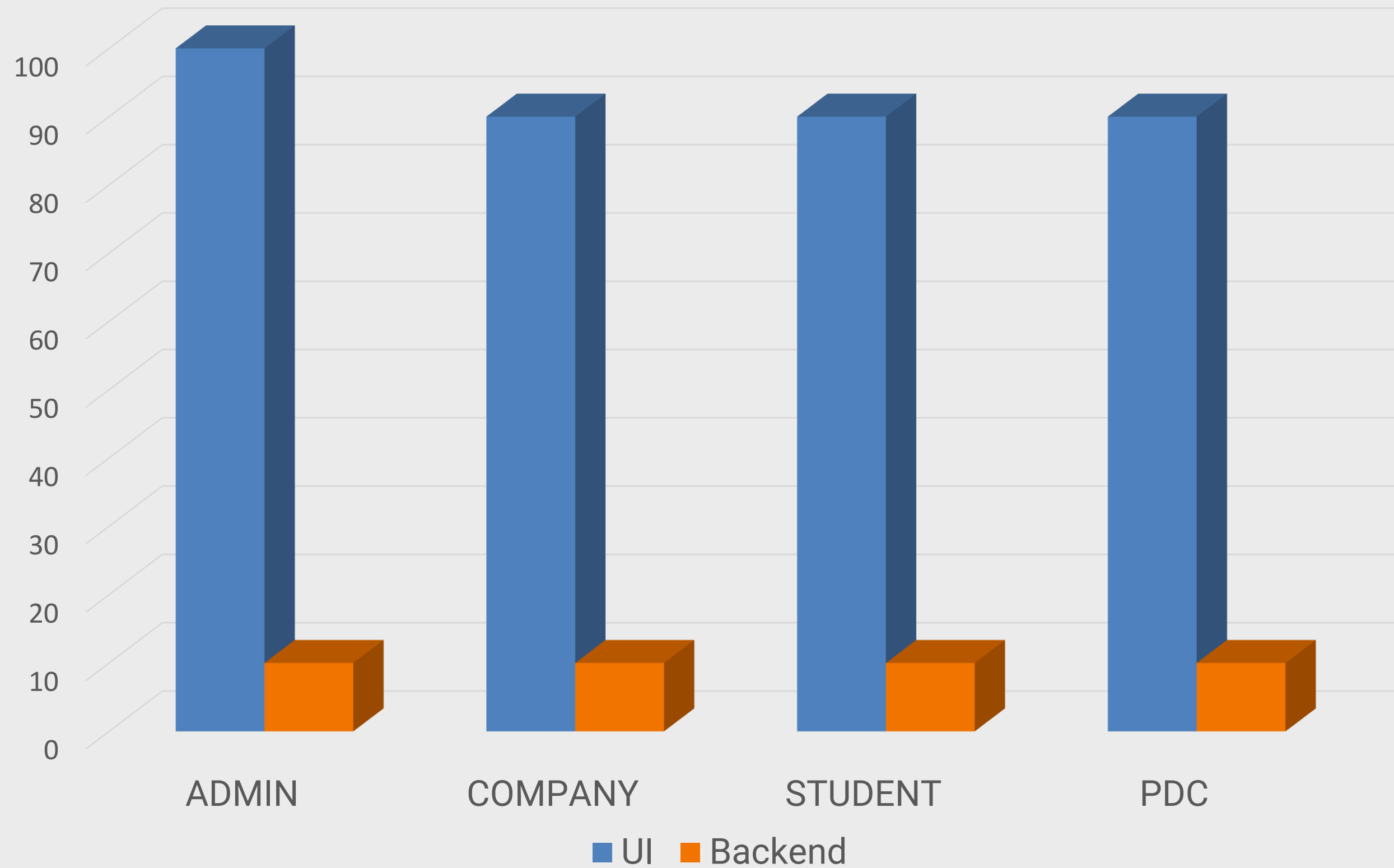


03 OUR PROGRESS

UP TO DATE

- Completion of UI Designing
- CRUD functionality of Users
- Login Functionality using Sessions
- Front-End UI Development

PROGRESS CHART



MEMBER CONTRIBUTION



Ruchira Vimukthi	PDC UIs and CRUD Functionalities
Namadee Kahatapitiya	Company UIs and CRUD Functionalities
Geeth Weerasinghe	Student UIs and CRUD Functionalities
Ravindu Jayarathne	Admin UIs and CRUD Functionalities

04 TECHNICAL EXPOSURE

FRONT-END



BACK-END



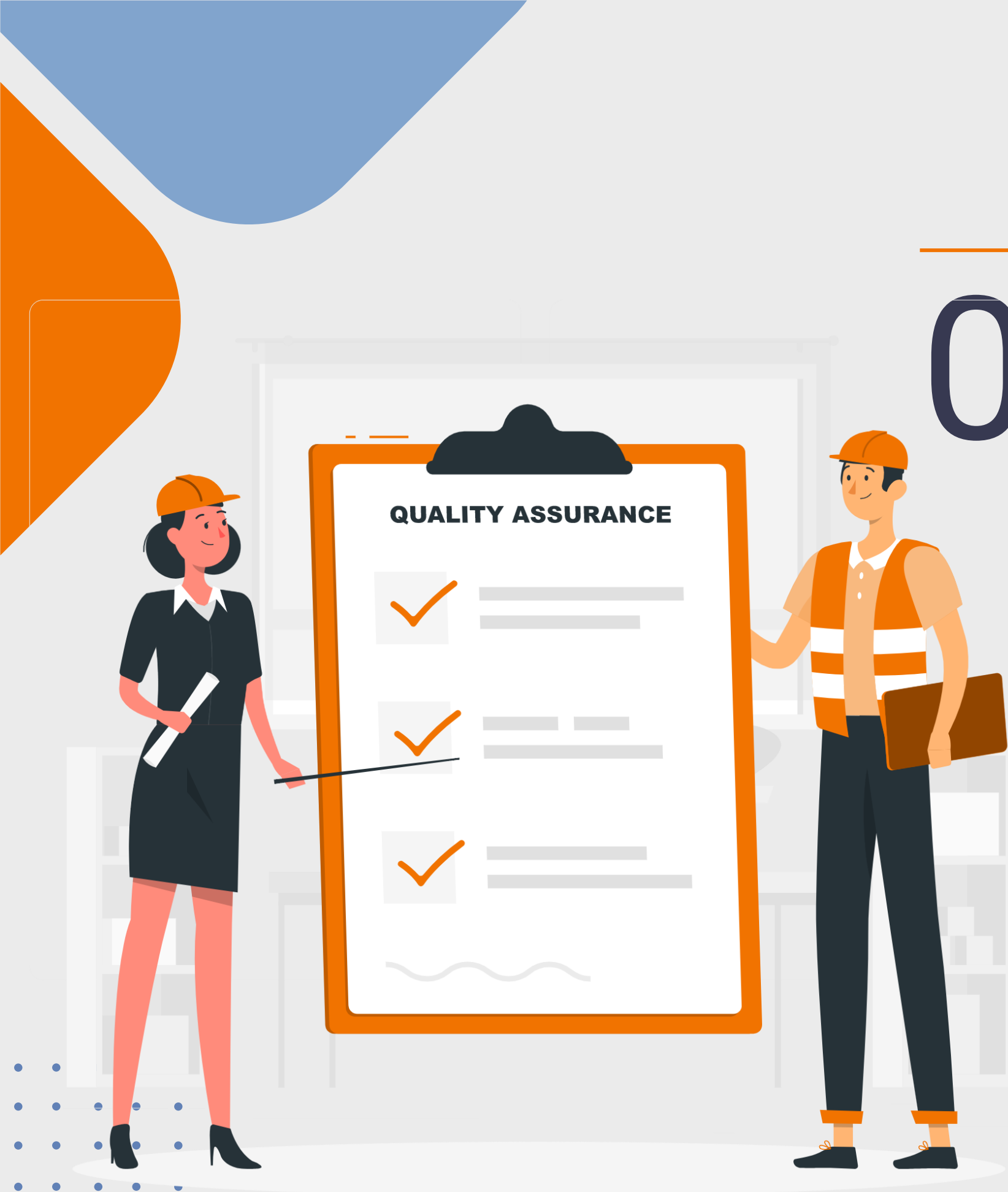
COLLOBORATION



05

QUALITY ASPECTS

- Proper Input Data Validation
- Mobile Responsive Layouts
- Prepared Statements to Prevent SQL Injection
- User Access Control
- Database Normalization





TESTING PRACTICES CARRIED OUT SO FAR..

- User Credential Testing ~ by providing invalid inputs
- Data Validation Testing ~ by providing invalid inputs
- Database Query Testing

BEST PRACTISES FOLLOWED..

- Following a MVC Architecture
- Naming Conventions
- Weekly Code Reviews
- Taking Courses to Master our Technical Skills
- Managing code base using Github



06 DEPLOYMENT PLAN

- Using localhost for Demonstration Purposes
- Initial Deployment ~ using a free PHP-MySQL Web Hosting Service





07 DEMONSTRATION

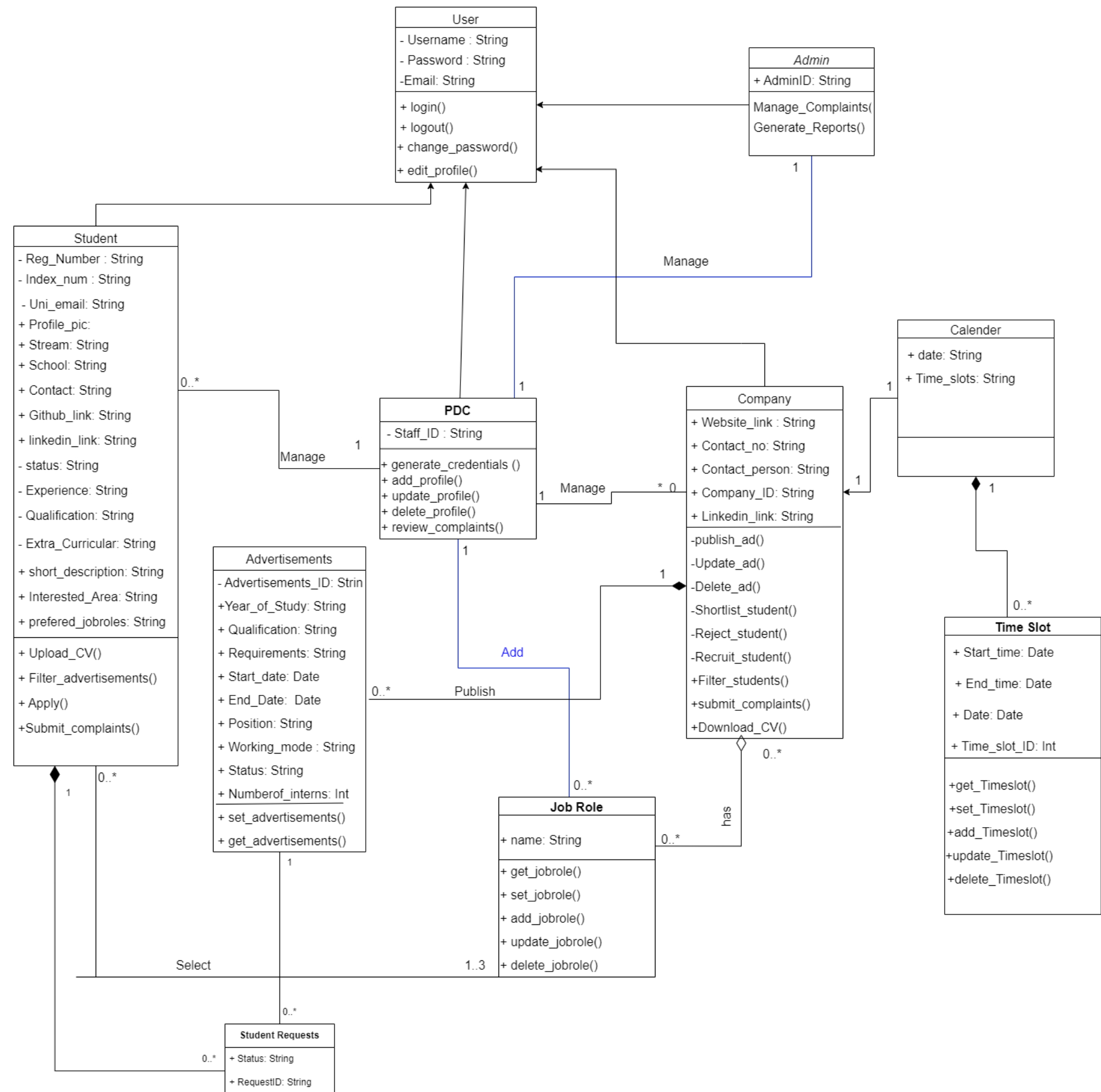


Thank you

Any Questions ?



CLASS DIAGRAM



ER DIAGRAM

