

Software Requirement Specification for TAC Portal

Name	Tharani Dharan M N
Roll no	7376222CB157
Seat no	198
Project ID	38
Problem Statement	Student Ranking Dashboard

1. Introduction

1.1. Purpose:

The purpose of this document is to outline the requirements for a Student Ranking Dashboard application that allows students to view their current rank, leaderboard, companies attended, skill levels and other placement related stats. Additionally, it enables administrators to upload and update student data, create templates for assessment and filter students based on parameters, create faculty logins, and assign roles to faculty members for evaluating students' skills.

1.2. Scope:

The Student Ranking Dashboard application will provide three types of users: students, administrators and faculty members. Students will be able to view their ranking, leaderboard, and other stats in a unified dashboard. Administrators will have the ability to upload and update student data, monitor and filter students, create faculty logins, and assign roles to faculty members for evaluating specific skills. Faculty members will have access to templates for assigning marks to students based on their assigned skills.

2. User Requirements

2.1. Student User

- View current rank and leaderboard
- View companies attended
- View various stats related skill levels

2.2. Administrator User

- Upload and update student data through Excel files

- Create faculty logins
- Assign roles and skills to faculty members
- Ability filter students based on various criteria

2.3. Faculty User

- Access templates for assigned skills
- Assign marks to students for various skill components (e.g., communication, body language, pronunciation)
- Submit evaluations for students
- Able to grade other faculties assigned students in case of necessity

3. Functional Requirements

3.1. User Authentication

- Students, administrators and faculty members should be able to log in securely.

3.2. Student Dashboard

- Display the stats in real time
- Less waiting time

3.3. Administrator Dashboard

- Upload and update student data through Excel files
- Filter and export data in excel
- Create new template from existing template
- Assign roles and skills to faculty members and edit the roles after creation.

3.4. Faculty Dashboard

- Ability to grade even in offline
- Assign marks to students for various skill components
- Submit evaluations for students
- Access to grade

4. Non-Functional Requirements

4.1. Security

- User authentication and data encryption
- Role-based access control

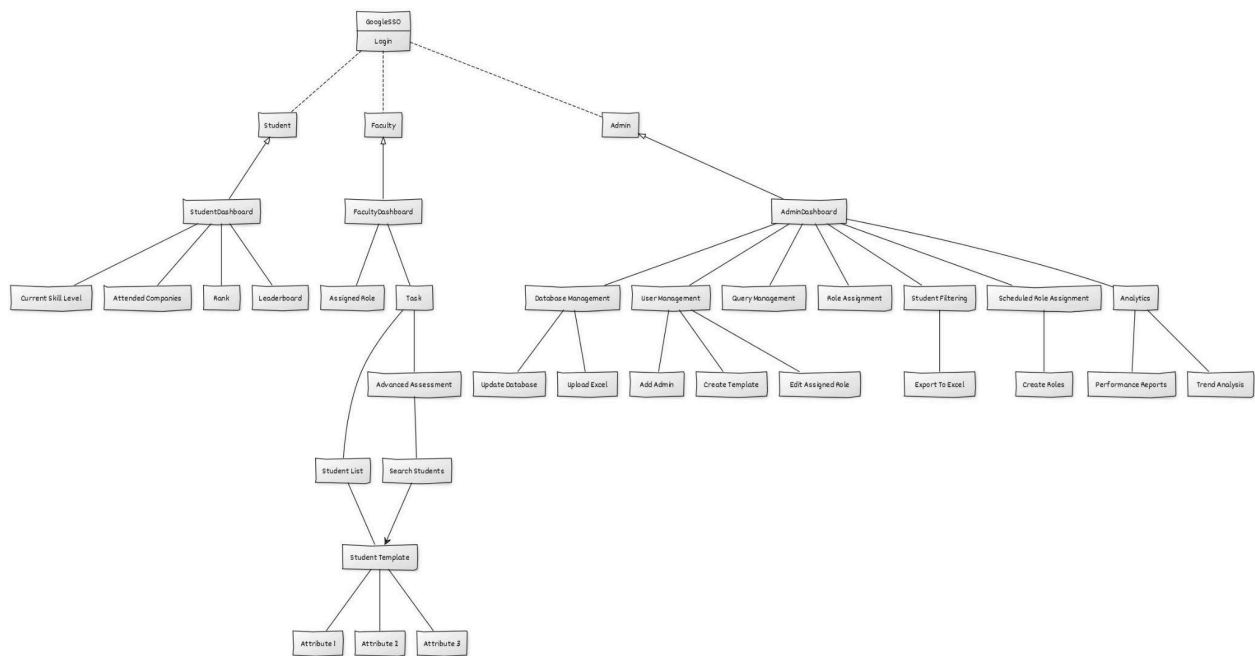
4.2. Performance

- Efficient data retrieval and updating
- Ability to handle large volumes of student data

4.3. Usability

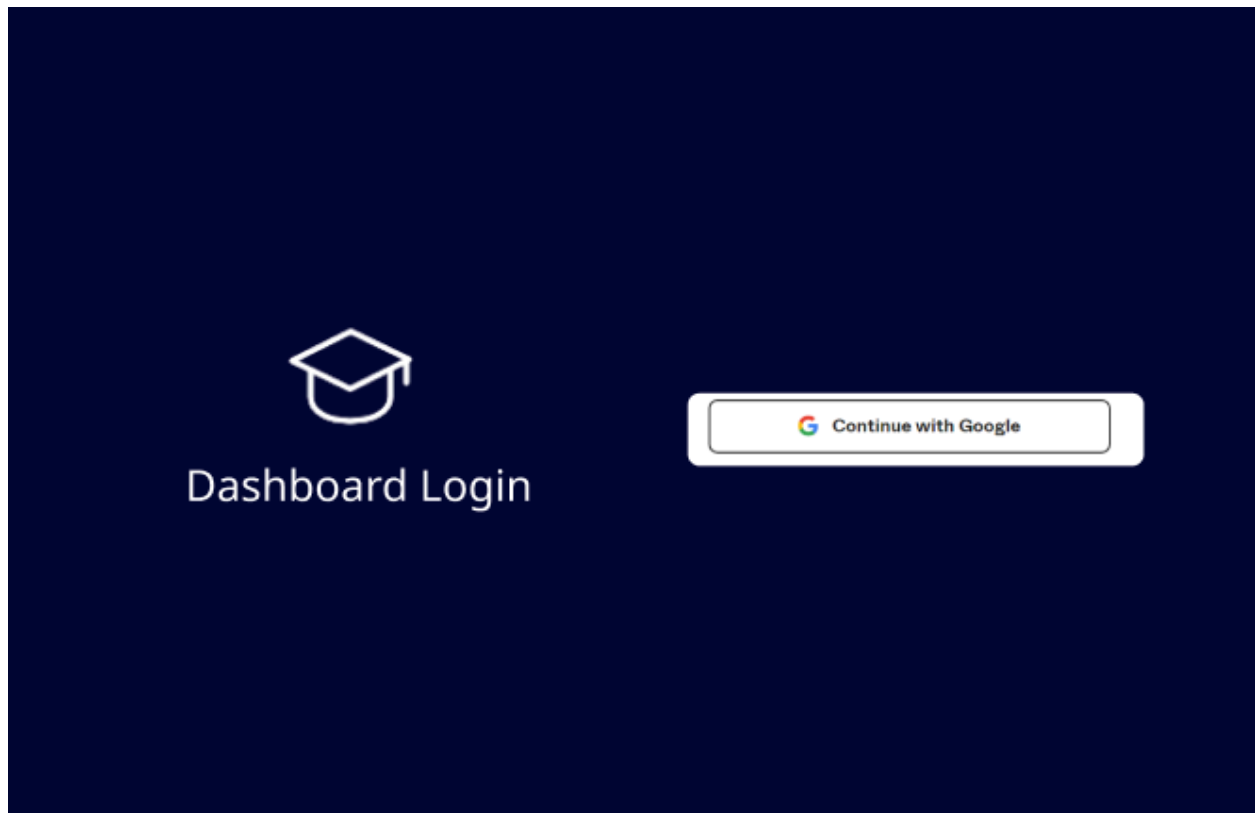
- Intuitive and user-friendly interface
- Clear and concise error messages

Platform Workflow:



CREATED WITH UML

Prototype:
LOGIN PAGE



Student Dashboard

Rank

#1

Personalized Skill

Level 2

Companies Attended

Soliton
Mr.Cooper
Survey sparrow

Leaderboard

1.Student

2.Student

3.Student

4.Student

5.Student

6.Student


7.Student

8.Student

9.Student


10.Student

Faculty Dashboard

 Faculty

On Going

Mock Interview

 List of students in Mock Interview

Students list

Name

Student 1

RollNo

7376222DP123

Status

Fill

Name

Student 1

RollNo

7376222DP123

Status

Done

Name

Student 1

RollNo

7376222DP123

Status

Fill

Name

Student 1

RollNo

7376222DP123

Status

Done

Advanced search

Student 1's Mock Assessment

Behavioral components

Attire

/10

Body Language

/10

Core components

English Fluency

/15

Pronunciation

/20

Submit

ADMIN

Assessment Template Creation:

Skill name:	Components
<input type="text"/>	<input type="text"/>
Number of Criteria	Components
<input type="text"/>	<input type="text"/>
No of Components in Criteria 1	No of Components in criteria 2
<input type="text"/>	<input type="text"/>
Components	Components
<input type="text"/>	<input type="text"/>
Components	Components
<input type="text"/>	<input type="text"/>
<div>BackSubmitClear</div>	

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Students

Skill : PS 1

Member: Faculty 1

Upload Excel

Assign

Filtering and Exporting Feature

Count : 100

SNo	Student Name	PS level ⬆	DS level ⬆	Project Stage ⬆	Rank ⬆

Export Data

Custom Export

☒ Order based on Department

☐ Include Rank

☐ Create Venue Column

☐ Include Skill level

Export as Excel

STACK:

Full Stack 5 - LAMP Stack

Front End	<ul style="list-style-type: none">• HTML• CSS• javascript
Back End	<ul style="list-style-type: none">• Linux• Apache Web Server• PHP with Laravel framework
Database	<ul style="list-style-type: none">• MYSQL
API	<ul style="list-style-type: none">• REST Ful API