DEBSORT

DBMS INNOVATIVE PROJECT

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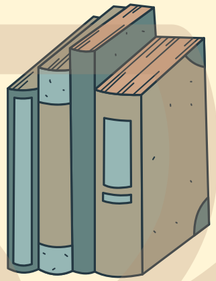
PRESENTATION OUTLINE

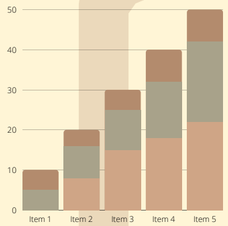


ABSTRACT

PROBLEM STATEMENT

INNOVATIVE IDEA

TECHSTACK



E.R DIAGRAM

QUERIES

PROBLEM STATEMENT

- With more than 100 colleges and more than 500 speakers and adjudicators, it becomes difficult to organize a debating tournament.
- There is a need for a platform to solve the problem of facilitating/managing the tournament, displaying participating institutions, Speakers, Adjudicators, and other relevant information.

INNOVATIVE IDEA

- The platform that we have caters to all these issues.
- The platform allows users to edit/update/delete/view the relevant information, the necessary and backend data is abstracted and can be viewed and edited by the admin(Organising Team) only.

FUTURE PROSPECTS

- We aim to produce a commercial application.
- Scalability: - Provide our services to other institutions through this platform.
- Premium: - Provide the essential features to everyone for free, including certain features restricted to premium membership.
- Features include:
- A Draw generator.
- A Private ID(URL) generator.
- Accommodation of the CSV file to add data to the backend directly.

TECH STACK

- We have used MySQL to create a database, store data, edit/update/delete

MYSQL

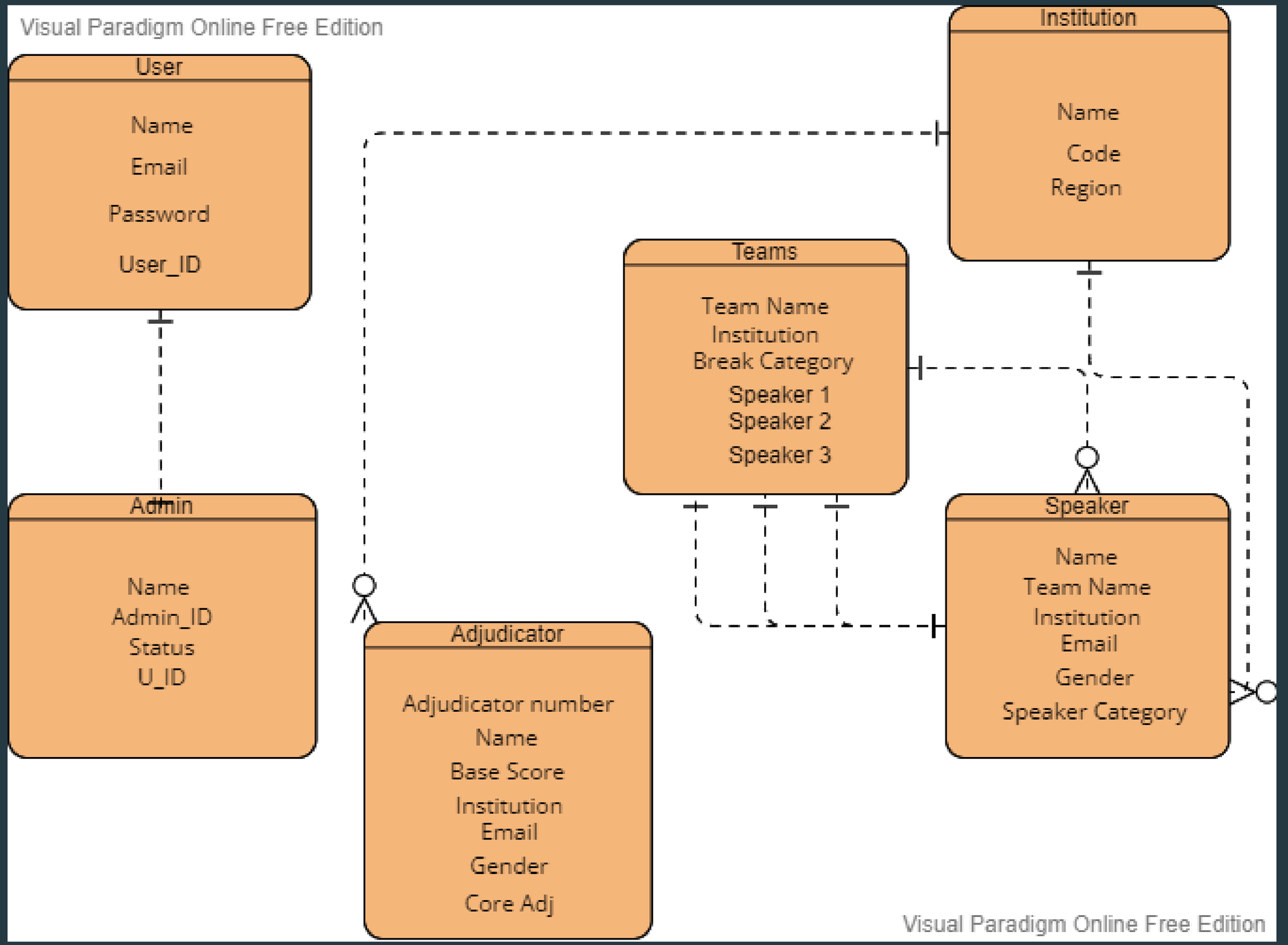
- We have used Flask which is a python library to integrate the front-end with MySQL.

FLASK

- To create a user interface and allow users to edit/make changes to data and display data.
- We used HTML , JS , CSS

FRONT-END

E.R DIAGRAM


Visual Paradigm Online Free Edition
User
Name
Email
Password
User_ID
Institution
Name
Code
Region
Teams
Team Name
Institution
Break Category
Speaker 1
Speaker 2
Speaker 3
Admin
Name
Admin_ID
Status
U_ID
Adjudicator
Adjudicator number
Name
Base Score
Institution
Email
Gender
Core Adj
Speaker
Name
Team Name
Institution
Email
Gender
Speaker Category
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USERS

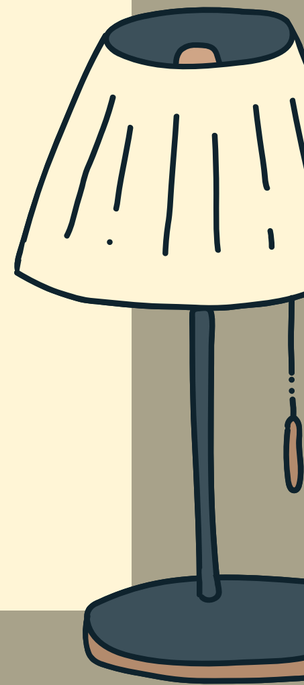
ATTRIBUTES

- User_ID (Primary Key)
- Name
- Email_ID
- Password

ADMIN

ATTRIBUTES

- Admin_ID (Primary Key)
- Name
- Status
- UID



SPEAKER

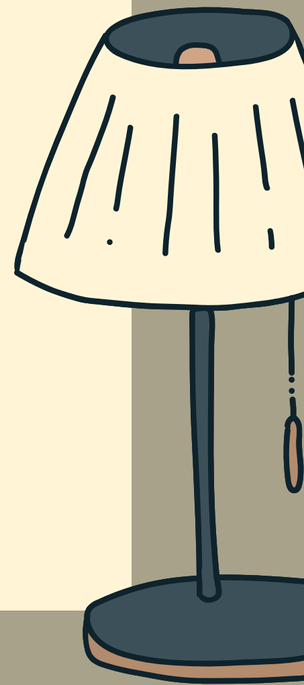
ATTRIBUTES

- Speaker Number (Primary key)
- Name
- Team Name
- Institution
- Email
- Gender
- Speaker Category

ADJUDICATOR

ATTRIBUTES

- Adjudicator Number (Primary Key)
- Name
- Base score
- Institution
- Email
- Gender
- Core Adjudicator



INSTITUTION

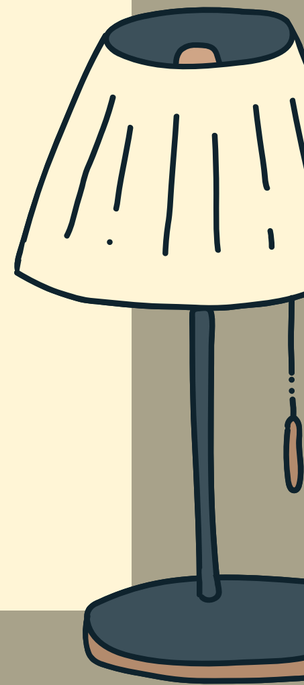
ATTRIBUTES

- Name
- Code (Primary Key)
- Region

TEAMS

ATTRIBUTES

- Team Name
- Institution
- Break Category
- Speaker 1
- Speaker 2
- Speaker 3



QUERIES USED

UPDATE, SET

The UPDATE statement is used to modify the existing records in a table.

JOIN

A JOIN clause is used to combine rows from two or more tables, based on a related column between them.

ORDER BY

The ORDER BY keyword is used to sort the result-set in ascending or descending order.

TRIGGERS

The ORDER BY keyword is used to sort the result-set in ascending or descending order.

VIEW

a view is a virtual table based on the result-set of an SQL statement.

ALTER TABLE

The ALTER TABLE statement is used to add, delete, or modify columns in an existing table.

CONSTRAINT

Constraints can be specified when the table is created with the CREATE TABLE statement, or after the table is created with the ALTER TABLE statement.

NOT NULL

The NOT NULL constraint enforces a column to NOT accept NULL values.

AND MANY MORE

THANK YOU FOR LISTENING!