**Db8abase – Debate Tournament/Team Management Application**

**Learning objective:** Build a Rental Management Application

**Technologies:** ASP.NET Core, SQL/Firebase, HTML, CSS, Bootstrap, Postman, APIs, Google Cloud

Project: /102

Presentation: /20

**Anonymous User**

(2 points) As an anonymous user, I would like to view a list of tournaments and be able to see their details

(2 points) As an anonymous user, I would like to view which teams have entered into a specific tournament

(2 points) As an anonymous user, I would like to view a judge’s philosophy after searching for them

**Debater**

(5 points) As a debater, I would like to be able to view pairings for each round showing me my opponent, the room I am debating in, and my judge

(2 points) As a debater, I would like to be able to click a link on the pairings and see my judge’s philosophy

(2 points) As a debater, I would like to see all tournament details and which teams have been entered

**Judge**

(2 points) As a judge, I would like to be able to enter my judging philosophy and update it periodically

(2 points) As a judge, I would like to be able to view tournament details including entries

(5 points) As a judge, I would like to be able to receive an email informing me which time I am judging, the room, and which teams, using an Email API

(5 points) As a judge, I would like to be able to submit a ballot at the conclusion of a debate informing the tournament director which team won, assigning speaker points, and giving a quick reason I voted the way I did

**Coach**

(2 points) As a coach, I would like to create a roster of debaters

(2 points) As a coach, I would like to be able to enter teams of two debaters into a tournament

(2 points) As a coach, I would like to be able to enter judges into the tournament

(5 points) As a coach, I would like to be able to pay tournament entry fees for a tournament, using Stripe API

(5 points) As a coach, I would like to be able to view tournament logistics and details in a .pdf or .docx format that I can download

(10 points) As a coach, I would like to be able to see the location of a tournament on a map, using Google Maps API

(15 points) As a coach, I would like to be able to compare two teams annual performance using data visualization tools (using Chart JS). This comparison would include:

* Records at each tournament
* Records against each other
* Yearly performance metric line graph (speaker points and wins would be different graphs)
* Bonus: Records against the teams they have both faced

**Tournament Director**

(5 points) As a tournament director, I would like to be able to create a tournament by scheduling it, uploading logistics for the tournament in .pdf or .docx format, and allow teams to be entered

(15 points) As a tournament director, I would like to be able to tabulate a tournament within the program. Tabulation would include these minimum specifications:

* Minimum of 4 rounds and quarterfinals of a tournament
* Each team will have two affirmative and negative debates per tournament
* Each team will not face the same team twice
* Each team will not have the same judge more than once unless it is elimination rounds
* If a team faces a team they have previously encountered in a tournament, they will be locked to the opposite sides in elimination rounds
* Teams will be paired based upon record and combined speaker points after the first two rounds
* Rounds will be randomly paired for the first two rounds

(2 points) As a tournament director, I would like to be able to view each ballot submitted by judges

(5 points) As a tournament director, I would like to be able to send pairings to all debaters, coaches, and judges via email

(5 points) As a tournament director, I would like to be able to generate cumulation sheets indicating the final ranking of teams after preliminary rounds which shows their performance for each round

(5 points) As a tournament director, I would like to be able to generate a speaker awards sheet ranking all speakers in the tournament

**Bonus**

As a tournament director, I would like to be able to account for which teams have paid entry fees

Bonus: As a debater, I would like to click on an entrant and view which arguments they have been reading for the year

Bonus: As a debater, I would like to be able to upload speech documents for a particular round in order to create a round report which other students can view

Bonus: As a debater, I would like to be able to upload a video of a practice speech for my coach to view and receive feedback about the speech

Super Bonus: As a debater, I would like to be able to manage all of my team’s debate files within the application by syncing the storage with Google Cloud

Bonus: As a judge, I would like to be able to search for local restaurants within the vicinity of the tournament location

Bonus: As a coach, I would like to be able to get directions from my school’s location to the tournament location

Bonus: As a coach, I would like to be able to limit access to different sections of my team’s debate evidence

Bonus: As a coach, I would like to be able to update the round reports for my teams

Bonus: As a coach, I would like to be able to book my travel plans within the application

Bonus: As a tournament director, I would like to be able to archive the results of my tournament at the conclusion of the tournament so it can be accessed at the end of the year