**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: /112

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

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

(7.5 points) As a tournament director, I would like to be able to generate a speaker awards sheet (.pdf or .docx) 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