



EPPS 6354 Information
Management

TPSA Rubric Evaluation Database Proposal

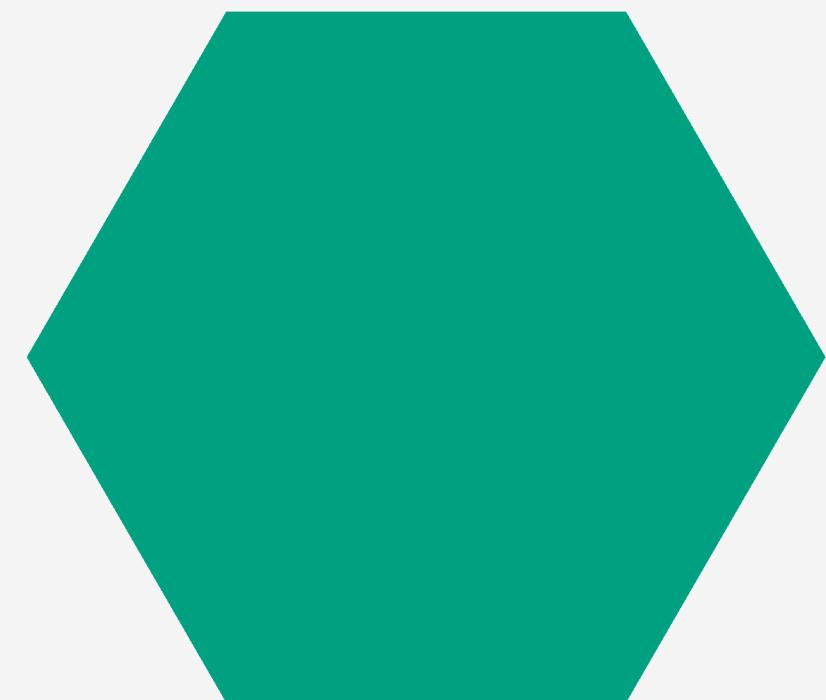
By Oliver Myers



The Texas Public Safety Association (TPSA) is a career and technical student organization dedicated to preparing high school students for careers in public safety fields such as law enforcement, fire services, forensics, legal studies, and corrections.

Key Activities

- Regional and State Conferences where students have competitions of various types
- Rubrics are used to score students during competitions



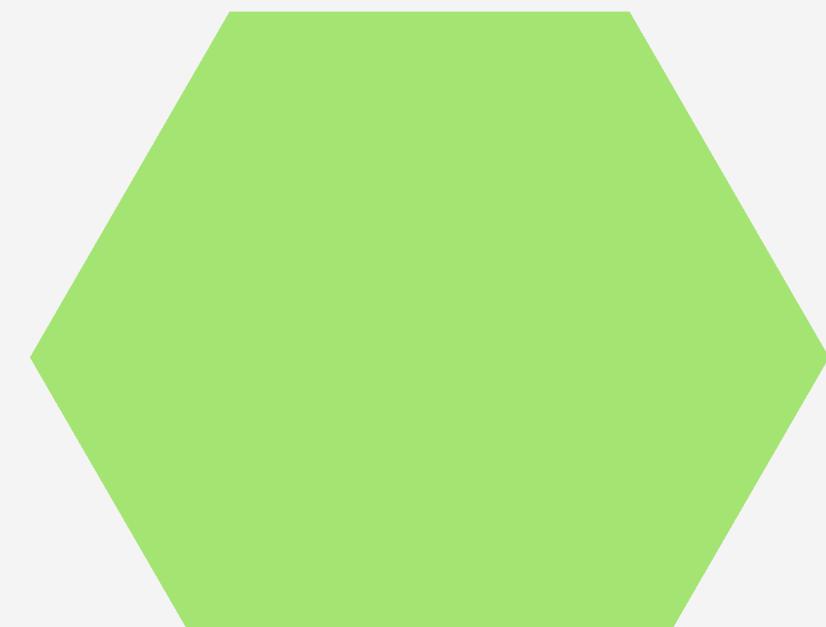
Project Overview

Purpose

- The Purpose of this project is to help the TPSA Administration evaluate their score cards from competitive events to determine the effectiveness of their rubrics by:
 - **Creating a database** with all of their event types, rubrics, scores, and other information
 - **Creating an interface** to interact and visualize the rubric data to identify problem areas to be improved

Target Audience

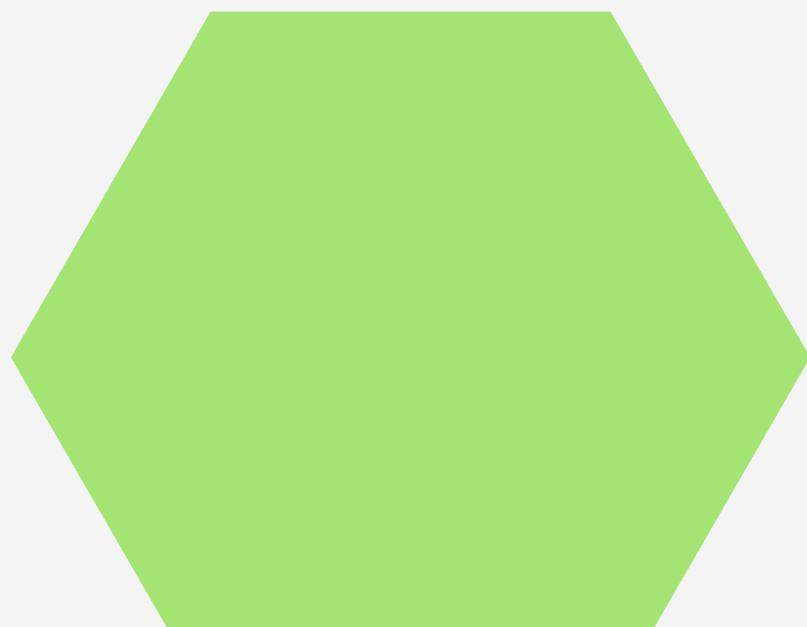
- TPSA Staff



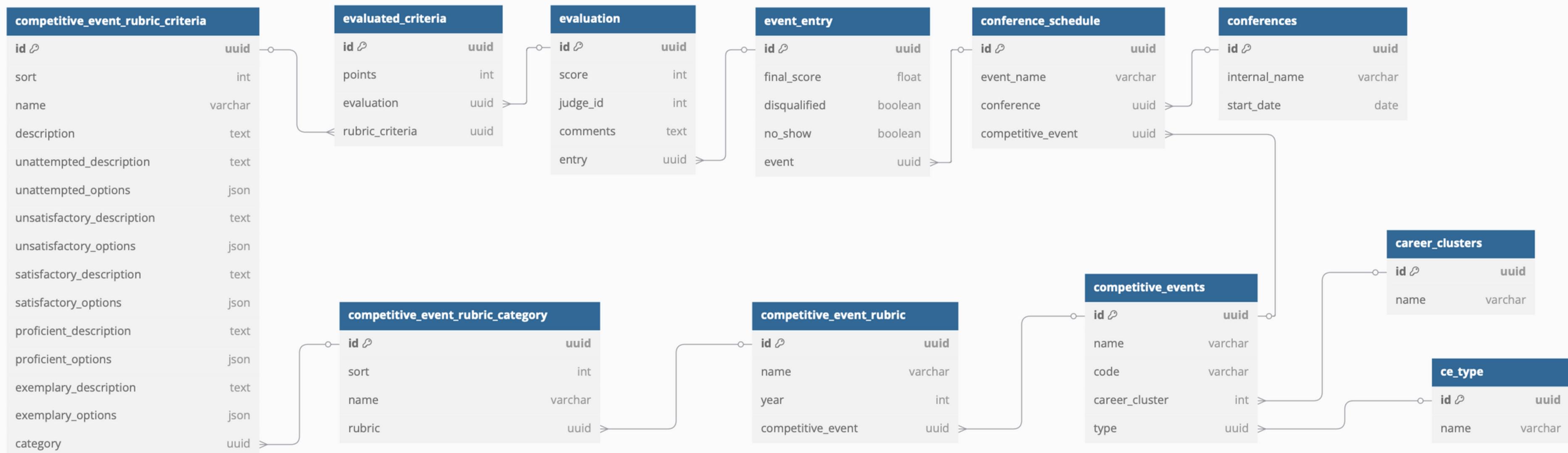
Relational DBMS

Relations:

- Competitive Event Rubric Criteria
- Competitive Event Rubric
- Evaluated Criteria
- Event Category
- Competitive Events
- Evaluation
- Conference



Schema



<https://dbdiagram.io/d/Competitive-Event-Scorecards-67b407fe263d6cf9a0822e0e>

Ex

competitive_event_rubric_criteria	
id ↩	uuid
sort	int
name	varchar
description	text
unattempted_description	text
unattempted_options	json
unsatisfactory_description	text
unsatisfactory_options	json
satisfactory_description	text
satisfactory_options	json
proficient_description	text
proficient_options	json
exemplary_description	text
exemplary_options	json
category	uuid ➤

evaluated_criteria	
id ↩	uuid
points	int
evaluation	uuid ➤

rubric_criteria uuid

TPSA

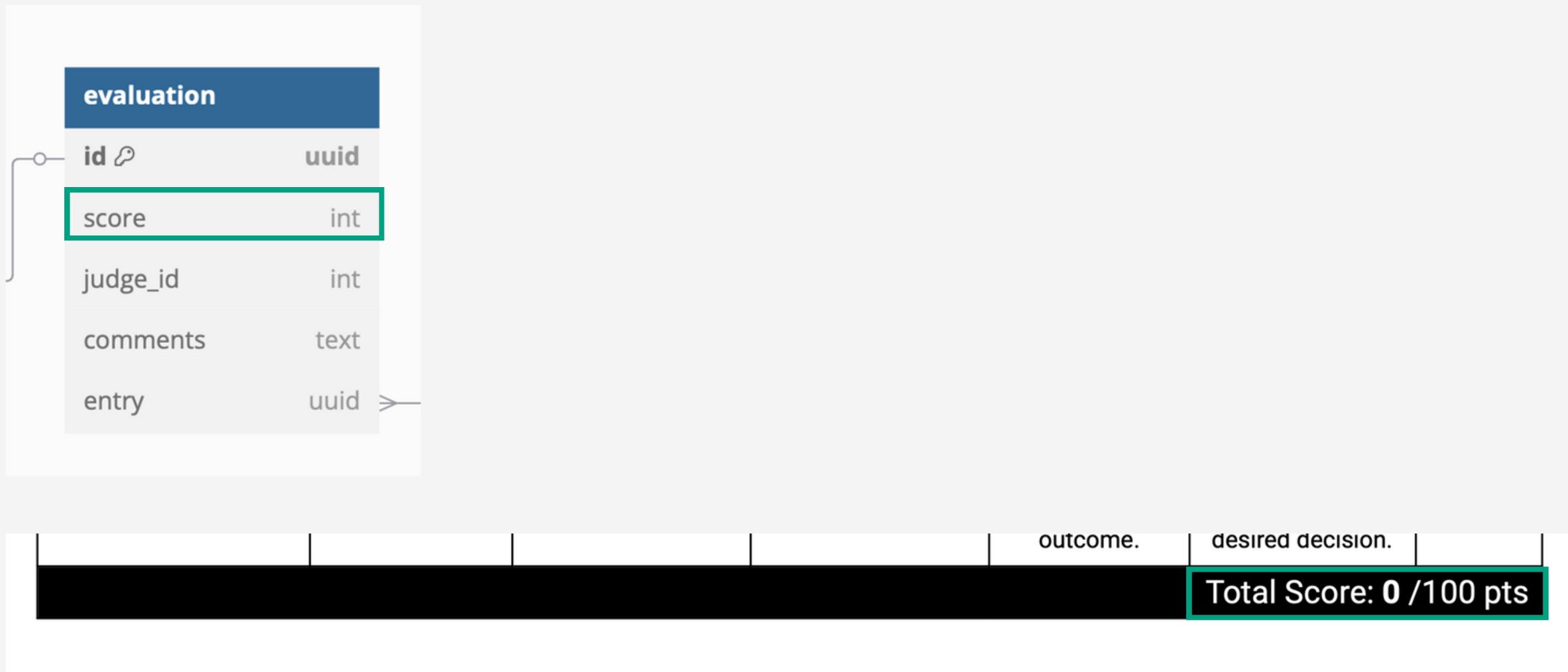
Closing Argument
Legal Studies

Presentation
FY2025

Criteria	Unattempted	Unsatisfactory	Satisfactory	Proficient	Exemplary	Points
Delivery	0 There are many distracting errors in pronunciation and/or articulation. monotone or inappropriate variation of vocal characteristics. Inconsistent with verbal message	3 Delivery quality minimal. Regular verbal fillers (ex: "ahs," "uh/ums," or "you-knows") present. Delivery problems can cause disruption to messages.	5 Delivery adequate. Enunciation and pronunciation are suitable. Noticeable verbal fillers (ex: "ahs," "uh/ums," or "you knows") present. The Delivery seemed inconsistent at times.	7 Delivery helps to enhance the message. Clear enunciation and pronunciation. Minimal vocal fillers (ex: "ahs," "uh/ums," or "you knows"). Delivery complemented the verbal message	9 Delivery emphasizes and enhances the message. Clear enunciation and pronunciation. No vocal fillers (ex: "ahs," "uh/ums," or "you-knows"). Delivery heightened interest and complemented the verbal message.	
Diction Pronunciation and grammar						

competitive_event_rubric_category	
id ↩	uuid
sort	int
name	varchar
rubric	uuid ➤

Ex

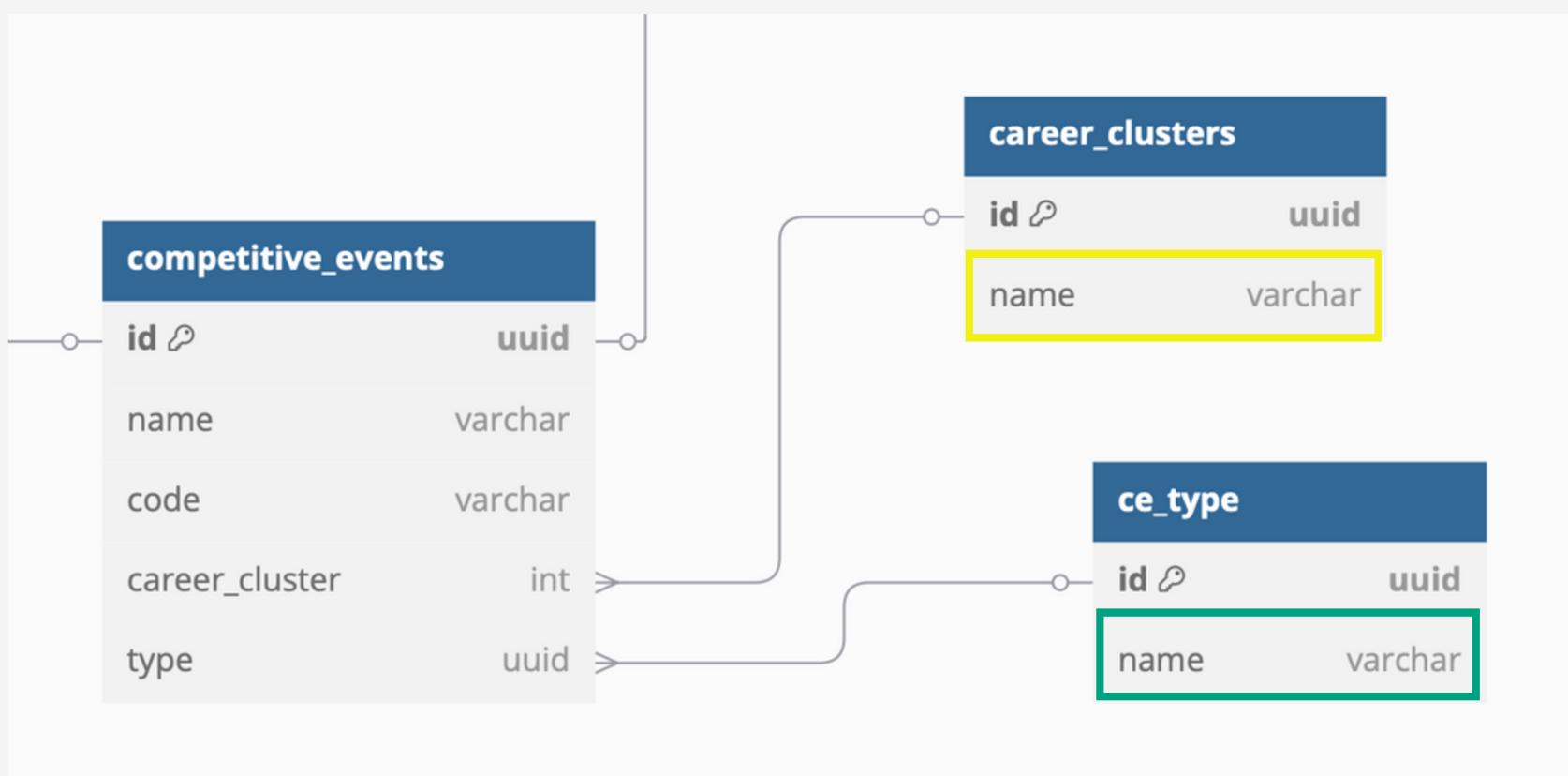


Ex

TPSA Closing Argument
Legal Studies

JPCA
FY2025

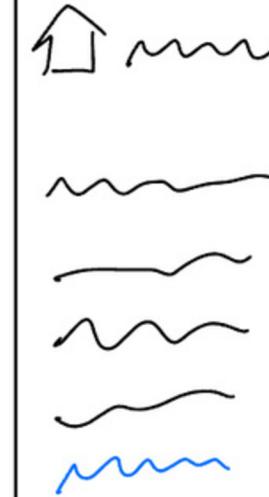
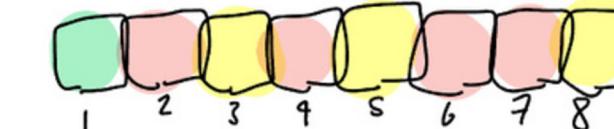
The Closing Argument event challenges participants to review a criminal case and deliver a compelling closing argument. Competitors will take on the role of either the Prosecuting or Defense Attorney, articulating their case to a simulated courtroom.



Interface Sketch

Interface

- Web-based Interface

<p>TPSA</p>  <p>1 ↗</p>	<p>< <u>2023</u> <u>2024</u> ></p> <p>Rubric: <u>mmmm</u> for Event: <u>mmmm</u></p> <p>Overall Score Averages: 80%</p> <p>Criteria #1 <u>mmmm</u>: 95%</p> <p>Criteria #2 <u>mmmm</u>: 84%</p> <p>Criteria #3 <u>mmmm</u>: 72%</p> <p>Criteria #4 <u>mmmm</u>: 60%!</p> <p>✓ Status: </p> <p>Criteria #5 <u>mmmm</u>: 98%</p>
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Thank you!