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CSC4350 Software Engineering

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Dr.Johnson

<u>Team 12: GSU Poster Judging App 4/6/23 Mandatory Meeting</u>

<u>Prompt:</u> Give five functional and non-functional requirements for a web app that allows users to login as judges and judge posters for a competition where these scores will be transmitted to a database and returned back to the front end user. Use HTML front-end, CSS, javascript, MySQL, Python, and Django.

<u>Functional Requirements:</u>

Functional requirements are the specific tasks and functions that a web application is expected to perform. They describe the features and behaviors that the application must have in order to meet its intended purpose.

1. <u>User authentication:</u> The application must have a login functionality that allows judges to authenticate themselves and access the judging interface.

2. <u>Poster scoring:</u> The application must allow judges to score posters based on the criteria provided by the competition.

3. <u>Database integration:</u> The application must transmit scores to a database where they can be stored and retrieved later for display to the front-end user.

4. <u>Real-time updates:</u> The application must provide real-time updates to judges regarding the scores they have submitted and the scores of other judges for the same poster.

5. Admin dashboard: The application must provide an admin dashboard that allows administrators to view and manage user accounts, competition criteria, and other important information.

Non-Functional Requirements:

Non-functional requirements refer to the qualities or characteristics of a web application that are not directly related to its functionality but are important for its overall performance, usability, and reliability.

1. Security: The application must use secure authentication mechanisms to prevent unauthorized access to judge accounts and scores.

2. Scalability: The application must be designed to handle a large number of judges and posters, with the ability to scale up as needed.

3. Performance: The application must be responsive and fast, with minimal latency between user actions and system responses.

4. Accessibility: The application must be accessible to users with disabilities, with features such as keyboard navigation and screen reader support.

5. User experience: The application must provide a user-friendly interface that is easy to navigate and understand, with clear instructions and feedback on user actions.