CS313 - Project Proposal

Project Title :   **Event Management System**

Project Description :

A large event management system that can be used for university events like inter-IIT sports, Mood Indigo like cultural events, TechFest type of competitive events, …

Group Name :   G10

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Scope :

The application will be useful in Organising & managing different events across different universities or organisations. The application will make organisers to handle different events with ease whereas event participants will get guidance at any point without any issue.

Quick Overview :

The application will be mostly constructed with Flutter, Dart and PostgreSQL. Flutter will be used mainly in the frontend development of the mobile application whereas Dart will be used in the backend of application and PostgreSQL will be used in database management i.e. to store all the details that are required for the application.

The application would be having two types of users. Admin and participants. The admin would be having full access to the application like to create & manage different activities and handle related queries.

The users/participants can register for various activities through the application by providing related details.The activities can be for individuals or groups.

The application will provide FAQ's and basic info related to all activities & the event. And it will also provide the schedule for all activities during fest/event

Nature of Data and Transaction

The application will be having all details of events. Main tables for database will be :

1. Event details (will have details about events like event name, location, registration details,schedule,FAQs,...)
2. Activities table (will have details about each activity like activity name, start date, end date, place,...)
3. Participants table (will have details about each participant like Registration ID, name, collage, activities in which s/he participated, attending time, leaving time,accomodation,...)
4. Admins table (will have details about admin like name,ID,mobile number,...)
5. Sponsors
6. Guests or invigilators.
7. Scorecard

All data related to event details, Sponsors, Guests/invigilators, activities can be edited or managed by admins. Whereas the details related to participants can be added by participants at the time of registration only.

Users And Interfaces

1. **Types of users :**

   organisers & participants (generally College or school students participating in events for this application). More explicitly organisers have different roles like admin, moderators/mentors, invigilators.

2. **Interface :**

   There will be a slightly different interface for admins/organisers & participates.
   1. Organisers will be having more options like adding & managing different activities of events/fest.
   2. Moderators will have similar options as admin with some limited privileges.
   3. Participants will get options for registering for activities, get updates about future activities, present running activities, past activities, results.
   4. Guests or invigilators would be having something similar to participants without any unnecessary options like registration and all.

Conclusion

For event management, there is expected to have large data. Database management makes it easy to handle such large data as databases are easy to set-up, fast to access and makes it handy to manipulate data.

The feature - Accessing the same data in different ways quickly, makes the database management system helpful in such applications.

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