Project Proposal

Game-On!

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Goals: This proposal is for creating an app that provides better access to sports facilities at our campus. The app will feature a management tool for each facility, helping to ensure that the facility is being used for its intended purpose without overcrowding. Additionally, the app will keep an updated log of available and booked sports facilities and will include an intuitive booking system for users.

A Dummy Customer C

Our team was approached by the General Secretary of the Sports Council to develop an application to organize and facilitate the booking of various sports facilities available in the institute. They wished to create a Sports facility application for the institute to avoid any type of hassle between students and avoid misunderstanding regarding any sporting events to be held in the institute.

Specifications: What problem the system would solve and why it is important ?

1. **Ease of Access:** A sports facility app can make it easier for students to access information about the availability of sports facilities. They can easily view schedules, book facilities, and even reserve equipment.
2. **Better Time Management:** Students can better manage their time and schedule with a sports facility app. They can quickly and easily check availability, book facilities, and reserve equipment from one place, saving time and reducing the likelihood of scheduling conflicts.
3. **Increased Participation:** A sports facility app can increase participation in sports and physical activities by making it easier for students to access information about available facilities and events. This can help encourage a healthy and active lifestyle.
4. **Improved Engagements:** A sports facility app can increase engagement and participation in campus events and activities. Students can easily find information about upcoming events and activities, and stay informed about the latest news and

updates related to sports events on campus such as "Colors Trophy" or "Inter Bhawan Tournaments".

Having such facilities on campus is necessary to avoid hassle between students which might lead to a loss of time for the students. Our app will provide convenience by allowing students to schedule reservations from their mobile devices, eliminating the physical need to visit or call in reservations. Also, feedback is necessary for every field, this app will provide a channel for students to give feedback on the quality of the facilities and services offered which can help the administration improve the facilities and meet the needs of the students.

<u>Overview:</u> How will the system work?

1. When you enter the system, it will show you two options: Login/Signup. If you are a first-time user, you can select "Signup" and make an account, but if you have already made an account, you can directly enter the login details which will take you to the next screen.
2. The system shows you an "error" message if you enter the wrong details.
3. After entering the correct login details, the system will take you to the next screen which will be the main screen of our app, which will provide you with two options: Select Facility & Book an Event.
4. If you select the option "Select Facility", the system will enter into the selecting page where you can select which sports facility you want to select such as the Football field, Hockey Court, Cricket net in LBS stadium, etc.
5. When you choose a facility, say the Football field, the system will take you to the booking page where the time slots will be shown, i.e. which slots are booked and empty. You can select a non-occupied slot and move to the time selection screen.
6. In the time selection screen, you can enter the number of hours you want to make the reservation for that facility and confirm your booking.
7. While if you select "Book an Event", the system will enter into the calendar page where you can select the dates for which you have to organize the event.
8. After selecting the dates, the user can enter some details regarding the event like the event's name, and give some description regarding the event so that other students can look out for the events to be organized.
9. Users can then go to the confirmation screen and confirm their booking for the selected dates/time slots.
10. After the reservation is made, the database will be changed and show the updated slots/dates on the reservation screen.

Justification

Justification: Creating a sports facility app is a complex task that involves various aspects such as designing a user-friendly interface, developing a backend system to handle user data and information, and implementing features to improve the user experience. However, with a team of six programmers, it is possible to undertake this project within a semester, as long as the scope of the app is well-defined and manageable. The scope of the sports facility app is challenging enough to be meaningful and engaging for the programmers while remaining manageable and achievable within the given timeframe. By striking the right balance between ambition and feasibility, the team can deliver a high-quality app that meets the project's objectives and provides value to its users.