Main purpose is;

To help the admin register the sports women and men in university.

The main challenge

Functional requirement:

* The system shall allow the sports admin register athletes
* The system shall allow the sports admin login using their user name and password
* The system shall allow the sports admin to change their password.
* The system shall the sports admin to view the registered athletes’ profiles.

Non-functional requirements.

Reliability and Availability

The system will be able to run without a failure for a given period under predefined conditions: that is services such as monitoring the availability of the origin infrastructure and rerouting requests when the origin is not available are put in place.

Scalability

The system can handle the highest workloads under which the system will still meet the performance requirements.

Maintainable

Each of the modules should be designed in such a way that a new module can easily be integrated with it, that is to say, the time required for a solution or its component to be fixed, changed to increase performance or other qualities, or adapted to a changing environment.

Software quality attributes

The graphical user interface of the System is to be designed with usability as the priority. The app will be presented and organized in a manner that is both visually appealing and easy for the user to navigate. There will be feedback and visual cues such as notifications to inform users of updates and pop-ups to provide users with instructions.

To ensure reliability and correctness, there will be zero tolerance for errors in the algorithm

that computes and splits expenses between group members.

To maintain flexibility and adaptability, the app will take into account situations in which a user loses internet connection or for whatever reason cannot establish a connection with the server. These users will still be able to use the application, but any transactions posted while disconnected will be cached until the connection is restored.

Safety requirements

The system will not affect data stored outside of its servers nor will it affect any other applications installed on the user’s phone. It cannot cause any damage to the phone or its internal components. The only potential safety concern associated with this application applies to virtually all handset apps: SplitPay should not be used while operating a vehicle or in any other situation where the user’s attention must be focused elsewhere.

Storage

The system should meet the storage requirements present and, in the future, depending on the demand.

Compatibility

The system should be able to run different operating systems.

Performance