Requirements:

App name: Guardian: Predict. Prevent. Perform

Functional:

1. Users able to connect their smart watches with our app and able to see the data in a more appealing form
2. Frequent form filling to get non wearable insights
3. Combining both give predictions for injury percentage, rest time and injury part
4. Able to see upcoming matches
5. Give insights on measures to prevent injury
6. Track a comparision between precious and new game

Non-Functional:

Design:

1. High level diagram:
2. Opens our app
3. Links his wearable with our app ( <<includes>> )
4. Sets up his account details (( <<includes>> )
5. Goes to dashboard, where upcoming matches dates, teams and their injury risk percentage is given, and an injury analysis summary is given.
6. Pre-game/pre-training form is available: which takes valuable inputs for non weable data
7. A detailed page of seeing the injury analysis report
8. A detailed page of seeing the data fetched from smart watche
9. A comparision between last fetched that is last game data vs after this game data
10. A user profile to edit it
11. Giving tips on injury prediction analysis report page
12. Low level design:
13. Opens our app
14. Sets up his account with team name, player name etc
15. Links its smartwatch with our app
16. A short slide show is there to explain the app overall functions.
17. Dashboard where upcoming games are loaded(but no injury prediction available) as though data is avaialbe but no pre-game or pre-training info is filled.
18. User can see its profile, or its watch data only
19. Then if the user fills the pre game or pre training form. Then analysis and predictions along with wearable data is made and showed on dashboard.
20. There user can see predictions and suggestions.
21. Acc to it it will train and play accordingly, then after the game the post game form will be filled which will combine the previous data, current weable data and form filled data to acess the prediction for next training or playing session
22. Then again before next training user will fill the for and after the game he will fill the form.
23. This can be ssee in detail in uour app and previous game wearbale data can also be seen in our app.

Pages: