Test Strategy Document

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MatchDay AI - Football
Team Number -23

Scope

- Our client Mr. Ganesh form the company Matchday Ai will approve the document
- He will take into account if the basic functionality of the webapp and all the visualizations are perfectly working or not.

Test Approach

Process of testing:
● Do the testing for a particular functionality of an application (called the system under test)
● And then performing the actual testing (interacting with the system under test)
● Observing the resulting behavior and checking whether expectations were met.
Testing Levels:
We have done unit testing and integration testing for the both backend, frontend parts.

Test Environment

- Hosting the js app on local host using python SimpleHTTPServer
- Having test data in mind or a script written for generating the test data
- A running internet service

Testing Tools

- Using selenium for python scripting
- Heatmap.js tool for visualisation

Use Cases

- To check the visualizations have a random generator of test data
- Heatmap Visualization
- Point Map Visualization
- Goals Visualization
- Check if the correct set of players data is added if filtered for few players
- Increase/Decrease Playback speed
- Skip video back by 10 seconds
- Highlighting player in a video
- Creating polygon around selected players
- Draw an arc between two points with deviation

Test Cases

- Details attached in the other pdf submitted along with this.