

The Software Engineering Academy

Unattended Test

Scenario:

Sky Sports is planning to run exclusive coverage of 'Intergalactic Rugby' live on Sky Sports Universe 1 HD. 'Intergalactic Rugby' is a game of high-speed, skill, fitness and a "winner takes all" attitude.

In order to keep viewers up to date with the latest results and league table movements, Sky Sports Universe have asked software engineering to create an online league table which can be dynamically updated at the end of each match day.

Your task is to create a web page which shows a list of teams, game points and team positions after each match day. In addition you should provide a feature which will enable match results to be uploaded which in turn should be used to update the league table.

Instructions:

1. Produce a web page with a league table laid out as shown below:

'Intergalactic Rugby' League Table

Team	Played	Won	Drawn	Lost	Overall Points
Dantooine Destroyers					
Wayland Warriors					
Coruscant Crusaders					
Tatooine Travellers					
Romulas Rejects					
Tottenham Skaro					
Dynamo New Earth					
Dagobah Dragons					
Rura Penthe Massive					
Cardassia Prime Wanderers					

2. Create a facility where you can process data result files of the following format:

```
<?xml version="1.0" ?>
<results>
  <title>Results</title>
    <result id="6548">
      <hometeam>
        <name>Dantooine Destroyers</name>
        <score>32</score>
      </hometeam>
      <awayteam>
        <name>Tottenham Skaro</name>
        <score>0</score>
      </awayteam>
    </result>
    <result id="6549">
      .
      .
      .
    </result>
  </results>
```

3. Based upon the data contained within the results file(s) and the overall points each team has, update your league table to reflect the results.
4. Apply the following rules:
- Team Win = 3 points
 - Team Draw = 1 point each
 - Team Lose = 0 points
5. The league table should be sorted so that the teams with the most overall points appear at the top of the table and the teams with the least overall points appear at the bottom of the table.
6. **Nice to have** – If a team has the same number of Overall Points as another team, then the team with the most number of goals should be placed highest. No further sorting will be required.
7. The league table should also reflect the number of games each team has played. In addition, based on the match results, the league table should also reflect the number of games the team has Won, Drawn or Lost.
8. As more XML files are uploaded, league table results should be accumulated.

We prefer that you use a language such as Java, Javascript(JQuery), Ruby, Grails, PHP etc. Once you are done, zip up your code, any test XML files that you created and a brief outline on how you approached the test.

Email it back to us (skytechacademy@gmail.com) within 5 days of receipt.

Don't forget to let us know which browser you want us to use when we assess you and any instructions you want us to use.

Any questions about this unattended test please email skytechacademy@gmail.com

Best of luck!