Software Engineering Academy
Unattended Test

Scenario

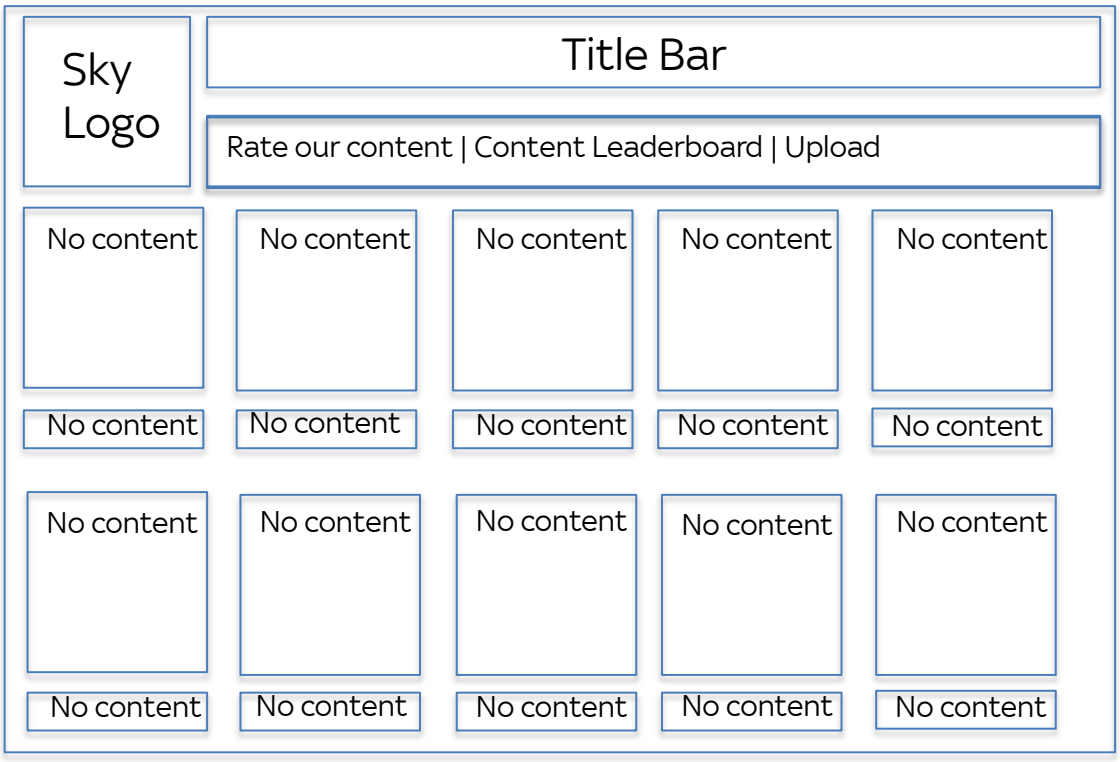
There is no doubt that content is one of the most important things to Sky. As a result it's key that we recognise content that is important to our customers and to us a business.

The Sky Marketing team have asked Software Engineering to put together a rate and recommendations application which will enable customers to view content Sky has to offer and rate it based on their viewing experience.

Your task is to come up with a webpage that will allow a customer to rate a selection of content and show a leader board of the best content based on customer ratings. In addition you will need to provide a feature that will enable content information to be uploaded and presented on your web page. Your application should also be Sky branded if possible.

Instructions

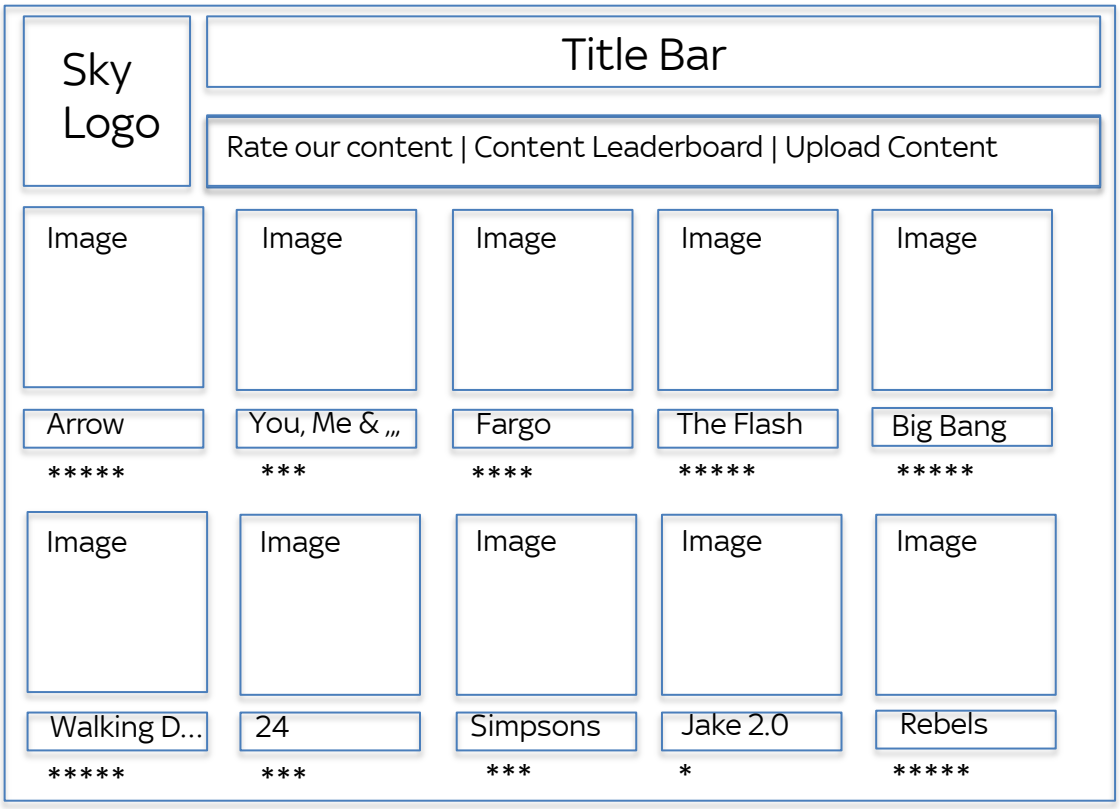
Produce a web page for the content page as shown below. Each programme slot should be made up of an image and title but show a 'No content' message as no content has been uploaded yet. You should allow space for 10 programmes. Please also include a navigation bar to make it easier to move around your application.



Next create a facility where you can upload and process a data file of the following example format. You can use the data file below as example but please ensure you add additional programme data in order to completely fill your content page. You should source your own images and place them in a folder. However the path to the images should be written as part of the data file. The upload facility should be accessed via the 'upload' link in the navigation bar and return you to the content page once the upload has taken place.

<?xml version="1.0" ?>
<programme data> <title>Programme Data</title>
<Programme id="1"> <Programme 1>
<name>Arrow</name> <image path>../images/arrow.jpg</image path>
</programme 1> </programme>
<Programme id="2"> <Programme 2>
<name>You, me and the Apocalypse</name> <image path>../images/youme.jpg</image path>
</Programme 2> </programme>
<movie id="3"> <Programme3>
<name>Fargo</name> <image path>../images/fargo.jpg</image path>
</programme 3></programme>
.
.
</programme data>

Upload your file to update the content page. Based on the example XML highlighted above, your content page would look like the following example. Please note that because you have uploaded data your solution should now allow us to rate a piece of content using star system or something similar.



Next you will need to create your leaderboard page that should be accessed by the 'Content Leaderboard' link in the navigation bar. You will need to create some logic that will enable you to rank your content based on the accumulative number of points a programme has received. Therefore a simple points system might be:

5 stars = 5 pts

4 stars = 4pts

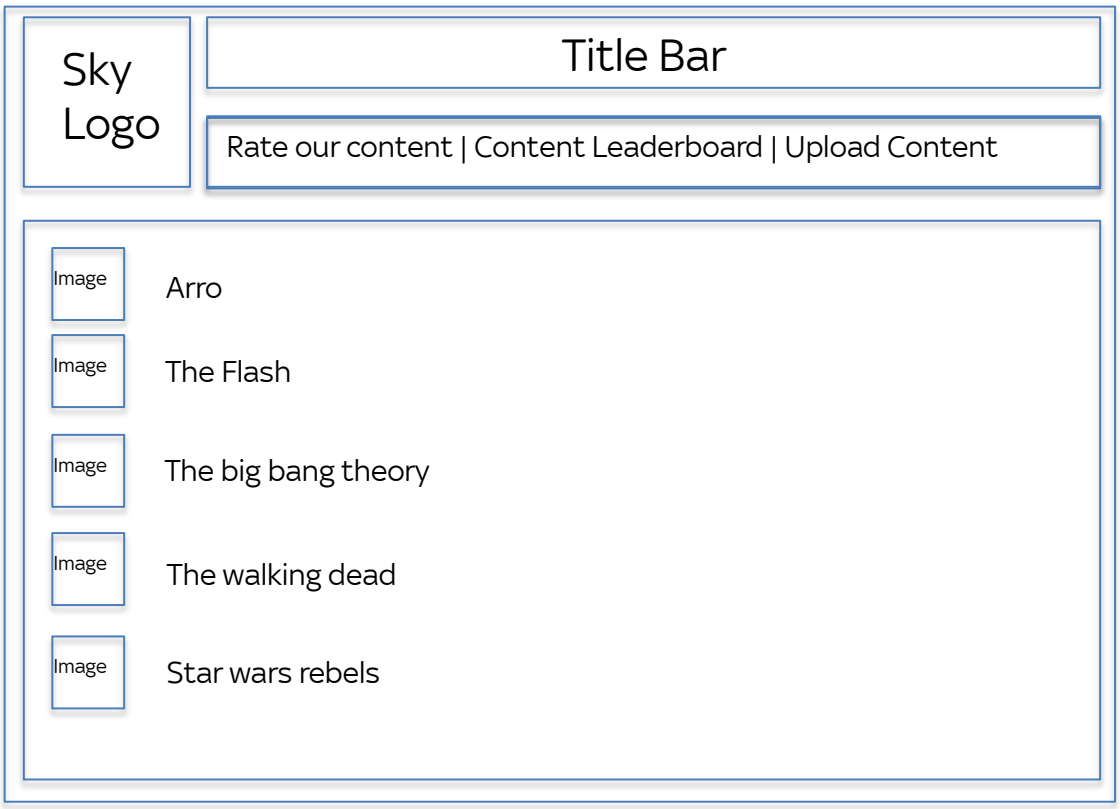
3 stars = 3pts

2 stars = 2pts

1 star = 1pt

Produce a web page for the leaderboard page as shown below. Each programme should be ranked based on the number of accumulative points it has received. The programme with the most number of points should be shown at the top of the leaderboard and all subsequent programmes should be shown in descending order.

Extra credit will be given to those solutions that can accommodate programmes with the same number of points and how to rank them within the leaderboard.



We would prefer that you use a language such as Java, Javascript, Ruby, Grails, PHP etc. Whilst you are free to any technologies to achieve the task, it's important that you show us evidence of you own coding ability. You don't need to worry about cross browser capability. **Once you're done, zip up your code, images and any test XML you have created. Email it to us at skytechacademy@gmail.com within 3 days of receipt.**

Don't forget to let us know which browser you want us to use when we review your work and any instructions you would like us to use. If you have any questions about the unattended test then please email us at skytechacademy@gmail.com.

Best of luck

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