

Sky Software Engineering Academy

Unattended test

Scenario:

Sky has been running a series of James Bond films on its 007 channel. Due to the overwhelming popularity of this channel, Software Engineering has been asked to create an online programme guide which will present a viewing channel for each actor who has played the role of James Bond.

Your task is to come up with a web page which shows each James Bond channel and the films in which each respective actor has starred. In addition you will provide a feature to enable programme information to be uploaded and presented in your programme guide.

Instructions:

1. Produce a web page with a programme guide laid out as shown below. Each channel should show a 'No programmes available' message as no programmes will have been uploaded at this stage.

Channel	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM
Sean Connery	No programmes available						
George Lazenby	No programmes available						
Roger Moore	No programmes available						
Timothy Dalton	No programmes available						
Pierce Brosnan	No programmes available						
Daniel Craig	No programmes available						

2. Create a facility where you can upload and process a data file of the following example format. You can use the following data file as an example but please ensure you add additional movies and times in order to completely fill the programme guide.

```
<?xml version="1.0" ?>
<movie_data>
<title>movie data</title>
  <movie id="1">
    <sean_channel>
      <name>Dr No</name>
      <start_time>9.00am</start_time>
      <end_time>11.00am</end_time>
    </sean_channel>
  </movie>
```

```

<movie id="2">
<roger_channel>
  <name>Moonraker</name>
  <start_time>9.00am</start_time>
  <end_time>11.30am</end_time>
</roger_channel>
</movie>
<movie id="3">
  <sean_channel>
    <name>Thunderball</name>
    <start_time>11.00am</start_time>
    <end_time>1.30pm</end_time>
  </sean_channel>
</movie>
.
.
.
.
.
.
</movie_data>


```

- Based upon the programme data contained in your file, update your programme guide.
- Your programmes must be shown to start and finish in the programme guide as defined by your data file. Based on the example XML highlighted above, your programme guide would look like the following example:

Channel	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3PM
Sean Connery	Dr No			Thunderball			
George Lazenby	No programmes available						
Roger Moore	Moonraker						
Timothy Dalton	No programmes available						
Pierce Brosnan	No programmes available						
Daniel Craig	No programmes available						

- Once all of your programme data has been uploaded and presented, it should be possible to click on a movie. A dialogue box for the respective movie should be presented and contain a Sky logo, a heading of 'Remote Record' and the following message: 'The James

Bond movie <movie name> is set to be recorded.' There should also be a button which enables the dialog box to be closed. An example is shown below:

Channel	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM
Sean Connery						Goldfinger	
George Lazenby	<div><div> Remote Record</div><div>The James Bond movie Moonraker is set to be recorded</div><div>Close</div></div>					OHMSS	
Roger Moore						For your eyes only	
Timothy Dalton						The Living Daylights	
Pierce Brosnan							
Daniel Craig						Casino Royale	Skyfall

6. **Nice to have:** If a movie exceeds the 3pm viewing slot, there should be the ability to 'scroll' the programme guide beyond 3pm to see additional programming. We would also like to be able to 'scroll' back to the 9am viewing slot.

We would prefer that you use a language such as Java, Javascript, Ruby, Grails, PHP etc. You don't need to worry about cross browser capability. Once you are done, zip up your code and any test XML you have created. Email it to us at SEACodingTest@bskyb.com within 5 days of receipt.

Don't forget to let us know which browser you want us to use when we assess 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 SoftwareEngineeringAcademy@bskyb.com.

Best of luck

Software Engineering Academy