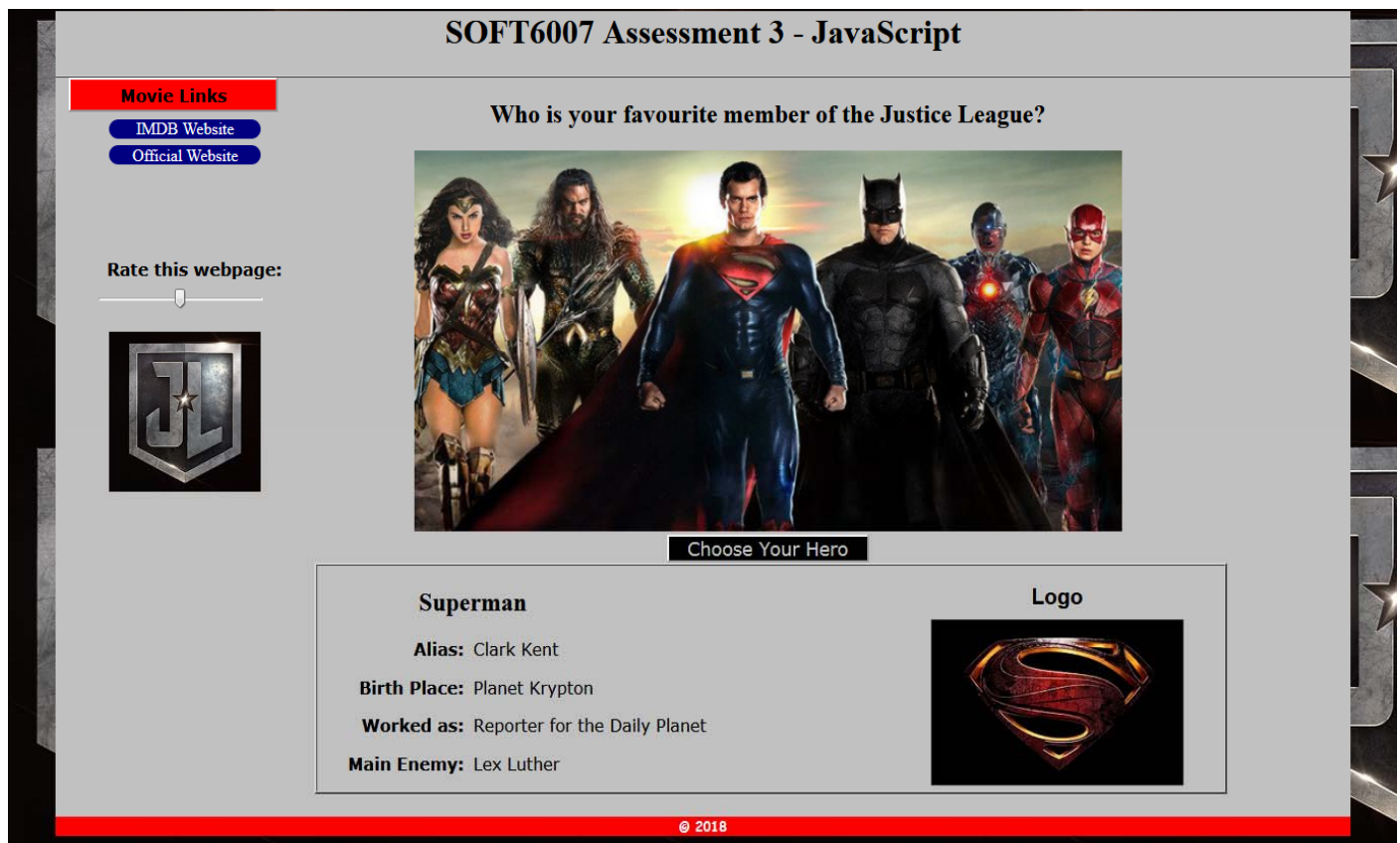


2018 Third Assessment Project for SOFT6007 Web Development Fundamentals 25%

Create a dynamic web page containing a JavaScript program which will allow the user to randomly select a Justice League member, and give a short biography of that member.

The JavaScript should randomly select the member of the Justice League when the user clicks a button on screen. The information should be displayed below the button. You may add additional biographical information if you wish.



Sample browser view

The web page should consist of:

- A main heading – *this text can be changed from the sample text shown above*
- A menu button to expand the menu showing two additional links
 - These links should point to at least two websites relating to the Justice League
 - The menu button and the links can be styled up in CSS to your preferences, those shown above are only samples.
- An image in the first column that when you move the mouse over the image it changes and when you remove the mouse from over it, the image reverts back to the original.

- A button to allow the user to choose a superhero:
 - When button is clicked JavaScript should have an event listener call a function that will randomly select a number between 1 – 6, and based on the number choose one of the main six Superhero members of the Justice League.
 - When the random number is selected by the function, it should contain data to fill in relevant sections on the webpage to provide the biography for the selected superhero. *Remember that you can mark the areas of HTML where you want the information to be entered using `id=""`, and if necessary enclosing the id in a `` or `<div>`.*
 - An image of the superhero's logo should also appear beside the biographical information.
- An input range bar should be inserted into the first column below the menu button, to allow the user to Rate the Webpage.
 - A function should be called when the pointer changes, and you should code in about 3 – 4 different responses for the user (*e.g. Fab page!, Great work!, It's okay, Not a fan.*)

Requirements

1. All content must be marked up using HTML5.
2. Addressing to resources (e.g. Images) must use relative addressing¹.
3. Pages must be **HTML5 compliant**. Validate your pages with <http://validator.w3.org>.
4. CSS should be added using External Stylesheets as in the previous assignment.
 - a. The background image, background colours font colours and types are all your choice.
5. Your web page should contain a "**housekeeping**" section e.g. contains copyright information and contact details (e.g. email address) for the website developer.
6. If you are looking for icons, please refer to reliable websites such as <http://iconspedia.com> paying particular attention to the licenses. For example, if the license requires attribution for the icon, then please include it in your website. Do not use Google's Image Search to search for icons because you cannot be sure of the associated licenses.
7. Any images used should be referenced in the comments of your code. Please ensure to use the **actual website** the image is from and not just Google Images.
8. As the Justice League title is licensed and copyrighted material, please include the copyright information for DC Comics in the footer.

Project due @ 23:59 Friday 14th December 2018

Zip your project folder into one file and upload it through Blackboard using the link named for your Lab Lecturer

¹ No absolute addressing allowed, e.g. `h:/r000012345/webdev/project/images/car.png` is not allowed.