

Day 8 – Assignment

This task helps you become familiar with more advanced features of JavaScript, including dynamic HTML features by building a simple web page for a travel agency.

Value

The cumulative lab work you have been doing in this course is worth 24 marks.

Due

This assignment is due on Monday, January 28th at 8am.

Directions

In this exercise you will customize the web pages from the previous days to provide extra functionality.

1. Add another array to your page that will have a URL of a website for each image in the images array. Try to find websites that fit well with the images that you are using.
2. Modify your image and description table. For each image, include a mouseclick handler that will call a function to open a new window and start a timer that will close the window after a few seconds.
3. Whenever you open a new window in step 2 (above), point the window to the website that corresponds to the image.
4. Optional – If you already have JavaScript experience and the basic stuff is boring to you, try this for extra challenge: Add a small image to your page that will be positioned using CSS. Use a timer to make the image move across the screen and back (get the window size from the window object and use it to determine when to reverse directions). If you want to add any extra features such as using a mouseover on the image to make it bounce away from the mouse pointer you are free to experiment. Have fun with it.

Feedback:

This lab is worth 24 marks. Your instructor will give you feedback. Hand in your source code files by pushing them to your Github repository and submitting the link to your repository in Brightspace.

Marking Rubric

Your mark is based on submitted work. Code will be examined using the following criteria.

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PLEASE NOTE: Assignments are due on the date specified by the instructor. One mark will be subtracted if the files are submitted within one week of the due date. Files submitted after 1 week of the due date will have one mark subtracted per additional day beyond one week that the file is late.

Marks = 24 Possible Marks

Programming	3	2	1
Code Readability	Code is well-written, with consistent indentation, adequate white-space, and avoids long lines.	Code is readable but indentation, white-space, line length could all be improved.	Code is sloppy and hard to understand.
Syntax Errors (errors in your console)	Programs compile cleanly.	Programs have some compile errors but an attempt has been made to fix them.	Programs are a long way from compiling.
Logic Errors (program does not do what you would expect it to do)	Programs are free of logic errors.	Programs have some logic bugs that could not be found, but were documented and an attempt was made to fix them.	Programs have major bugs.
Meeting Requirements	Does everything the assignment requested.	Does most of what the assignment requested.	Only partially completed.
Design	Programs are well-planned, well-organized, modular, easy to maintain or enhance.	Programs could be organized better, could be difficult to maintain or enhance.	Programs poorly organized, look like they were written without much planning.
Internal Documentation	Code is thoroughly documented	Documentation is partially done	Documentation is very sparse
Submission			
File Submission	Files are submitted to instructor by due date.	Files are submitted within 1 week of due date.	Files are not submitted within 1 week of due date. Beyond one week of lateness, one mark will be subtracted per additional day that the file is late.

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Introduction of Submission	Github README.md provides documentation identifying the author, date, course module and "Final Assignment".	Some of the required information is missing.	No identifying documentation.
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