

# Assignment 2

Personal Website – Part 2 (10%)

## DUE DATE

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Session 11

## OBJECTIVES

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- Incorporate design specifications into a website.
- Apply JavaScript techniques in context.
- Test and debug to ensure that the website behaves according to the specifications.

## DESCRIPTION

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This assignment requires you to complete a number of typical tasks that you would normally use JavaScript to solve. Each task is a typical situation that requires you to apply specific JavaScript techniques and features. This is about functionality and not about design. We are not worried about colours, background or appearance. The focus is to produce the desired functionality as described in the tasks.

## INSTRUCTIONS

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**The main assignment instructions.**

1. Use JavaScript to create a web page that allows clients to order pizza. Clients should be able to select size, toppings, type of crust, and method of payment. Validate that the form is correct before submitting it. Upon submission, the form should display the user's selection.
2. Use JavaScript to create a web page for a shuttle company. The client should be able to reserve a ticket using this page, selecting the date and time, pick-up and destination locations, and the method of payment from a list of available options. Your code should validate the form before it is submitted.
3. Create a JavaScript program that asks for a URL with the format `protocol://part1.part2.....extension` and reads it into a string. Then, the code should split the

string into an array. For example, if the URL is <http://www.google.com>, the resulting array must contain the following elements: http, www, google, and com.

4. Using JavaScript, write a simple app that uses the Google Maps API. Include a map centered on the user's current position. Also, include a map centered on a Canadian city of your choice.

## SUBMISSION INSTRUCTIONS

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Work must be submitted in the correct file type and be properly labelled as per the College naming convention:

NAME\_COURSE\_ASSIGNMENT. E.g. XuXiaLing\_FM50D\_A01.

Your assignment must include the following:

- All source code, as well as all other files required for the proper functioning of your application.
- Completed html, JavaScript and CSS files.

## GRADING CRITERIA

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Assignment Value: **10%**

Evaluation Elements	% of mark
Pizza order form and display	25
Shuttle company reservation	25
URL format and parsing to an array	25
Google Maps API	25
<b>TOTAL</b>	<b>100</b>