Lab Gathering 03 JavaScript Functions and Data Structures

Instructions

1. Please make a copy of this worksheet and provide your answers as a team of 3-4 in the designated areas below. If you are a group of only 3 people then have 1 person in your group take two roles. Please enter your name and email next to the POGIL role below before starting this activity.

Name	Email	Role
		Manager
		Speaker
		Reflector
		Recorder

2. Complete each of the sections below. Each section begins with a **`Model`** that you must use to answer the associated questions. Stop at the end of each section for a short discussion with the instructor.
3. At the end of class download a PDF version of this document and submit the PDF to the correct assignment in Gradescope. Please see Submitting an Assignment and Adding Group Members to ensure that you are submitting properly.

Rubric

You will be scored from 0-4 for this lab. 0 indicates that you did not submit or a team did not include you in the submission. 4 indicates that your team completed most requirements. The following table summarizes how we will score you team lab submission.

Exceeding = 4	Meeting = 3	Approaching = 2	Beginning = 1	No Submission = 0
● Completed between 90-100% of the requirements ● Delivered on time, and in correct format	● Completed between 80-90% of the requirements ● Delivered on time, and in correct format	● Completed between 70-80% of the requirements ● Delivered on time, and in correct format	● Completed less than 70% of the requirements. ● Delivered on time, and in correct format	● No submission

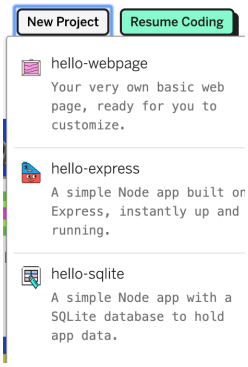
Lab Profile and Requirements

JavaScript is a wonderful language in many respects. It merges together elements of object-oriented programming and functional programming to create a language that is rather

unique as compared to other programming languages. In order to understand JavaScript and how to use it effectively to develop web applications it is important to understand objects and how to compare them. This lab requires you to solve the Deep Comparison exercise. This exercise requires you to write a single function called deepEqual which can be used to compare objects. In doing so it exercises your understanding of the `===` operator, the `typeof` operator, and the `Object.keys` method. The lab requirements are:

1. Implement the **`deepEqual`** function according to the specification outlined in the Deep Comparison exercise.
2. Show that your **`deepEqual`** function works correctly according to the specification.

Lab Activity Questions

1.	Create a new Glitch project. You should use the **`hello-webpage`** project:  Please provide a link to your glitch project. Note, your URL should have the format: https://glitch.com/~PROJECT-NAME Where PROJECT_NAME is replaced by your project name. Here is an example: https://glitch.com/~polite-spike This is required to make it as easy as possible for the course staff to type in your URL from a PDF.
	Your answer goes here!
2.	Implement the **`deepEqual`** function in the **`script.js`** file of your newly created project. You should use `console.log()` to display any output. The output will be visible in the live site using the developer console.

Team Reflection Questions

6.	This question is for the manager: what did you do during lab that helped manage your team and what could you do in the future to improve?

	Your answer goes here!
7.	This question is for the reflector: what did your team do that fostered a collaborative working environment and what could your team do in the future to improve?
	Your answer goes here!

Submission

You must submit a PDF file of this document to Gradescope by the assigned due date.

Note: All in class and lab activities for this course must be submitted through Gradescope. You must **submit your work as groups** and depending on the assignment you may need to submit either a PDF or code. Group members can be easily added through the Gradescope interface after the submission has been uploaded. You should spend some time reviewing the Student Workflow on the Gradescope website to better understand the submission process. There is also a video tutorial on how to submit a PDF-based assignment that might be helpful.