

Course Title: Fundamentals in Javascript

ASSESSMENT PLAN

Assessment Tools	Descriptions	Total Weightage	Type	Assessment Schedule
Quiz or Assignment 1	Home work for Day 1, covering: <ul style="list-style-type: none">- Getting started with HTML/CSS/JS- Conditional Statements and Loops- Function and Operators	50%	Individual	End of Lesson 1
Quiz or Assignment 2	Homework for Day 2, covering: <ul style="list-style-type: none">- Array and data manipulation- Closure- Callback function		Individual	End of Lesson 2
Quiz or Assignment 3	Take-home Project for Day 3, covering: <ul style="list-style-type: none">- OOP in JS- HTML element related DOM APIs		Individual	End of Lesson 3
Quiz or Assignment 4	Take-home Project for Day 4, covering: <ul style="list-style-type: none">- Asynchronous programming- HTTP related DOM APIs		Individual	End of Lesson 4
End of Module Project	Students will deliver a frontend application in vanilla JS	50%	Individual	End of Lesson 4 and 5
	Total	100%		

END OF MODULE PROJECT (CAPSTONE PROJECT)

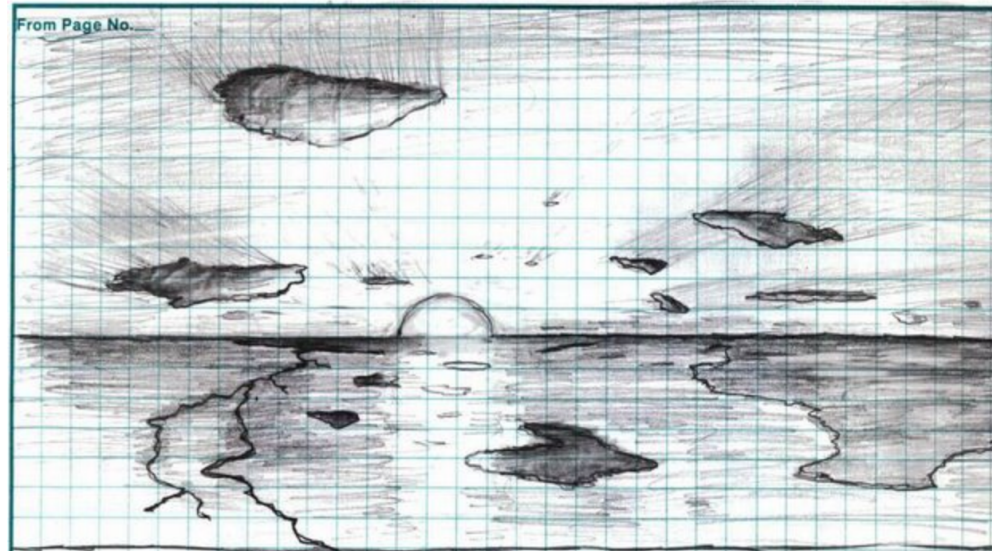
Project Title / Description	:	Implement a xkcd comic reader
Project Objective(s)	:	<p>xkcd.com is a webcomic site that provides api to retrieve its comics details, as documented at https://xkcd.com/json.html</p> <p>However, due to CORS not being enabled on the official xkcd API, you won't be able to get the JSON directly by sending a request from the browser.</p> <p>To tackle this issue, you can use https://xkcd.vercel.app/</p> <p>Create a custom website to display 3 comics with comic title, comic image, and 3 buttons above it (prev, random, next) to control what comics to show.</p>

LANDSCAPE (SKETCH)

< PREV

RANDOM

NEXT >



Something like the image above, with the difference that you need to show the comic before it and after it. For example if the current image is image 200, then you should show image 199 on the left and image 201 on the right. When the current image is the last image (2475), then show image 2474 on the left and image 1 on the right.

When the user clicks next/prev, the comics should change to next/prev 3 comics. For instance, if the current comics are comics 1, 2, and 3, comics 4, 5, 6 should be displayed.

		<p>To provide a good user experience, show a loading indicator while you make the API calls.</p> <p>A text input and a “Go” button next to it should be displayed to allow the user to go to a specific comic number. If a user enters invalid value, an error message should be shown to indicate that the number is invalid.</p> <p>A select element should be displayed to allow users to select showing 1, 3, or 5 comics at a time.</p> <p>You are not allowed to use any third-party script/library for this project. Only plain JavaScript and DOM API is allowed.</p>
Project Duration	:	121 hours
Mode of Delivery	:	<p>Individual Consultation</p> <p>+</p> <p>Individual Presentation</p>

MARKING RUBRICS FOR THE END OF MODULE PROJECT (CAPSTONE PROJECT)

	Score		
Category	0-1	2-3	4-5
Problem and Solution (x2)	<ul style="list-style-type: none"> ▪ 0-1 - No to very minimal attempt made ▪ 2-3 – The app is unusable. 	<ul style="list-style-type: none"> ▪ 2-4 Students implement only 1-2 of the requirements. ▪ 5-6 - Students implement half of the requirements. 	<ul style="list-style-type: none"> ▪ 7-8 Students implement 80% of the requirements. ▪ 9-10 Students implement the complete set of requirements.
Documentation	<ul style="list-style-type: none"> ▪ 0 - No code / attempt documentation written. ▪ 1 –The code is undocumented. 	<ul style="list-style-type: none"> ▪ 2 - There are some comments explaining the code, however, provides no extra context to the code readers. ▪ 3 - There are some comments explaining 	<ul style="list-style-type: none"> ▪ 4 - The code is self-documented and easy to understand or there's external README file that's really helpful ▪ 5 – The code is written well, easy to understand. The app is documented

		the code that the readers can't understand without.	in a README that someone can get up and running with
Presentation and Communication	<ul style="list-style-type: none"> ▪ 0 - Student do not present clearly on the work and/or unable to answer questions related to the work. ▪ 1 – Student could briefly present the work and/or unable to answer questions related to the work. 	<ul style="list-style-type: none"> ▪ 2 - Student present the work and are able to answer some questions related to the work. ▪ 3 - Student present the work and are able to answer most questions related to the work. 	<ul style="list-style-type: none"> ▪ 4 - Student communicates well during presentation and able to answer most of the questions related to the work. ▪ 5 – Student communicates well during presentation and able to answer all the questions related to the work.