

## DESCRIPTION

SUTDENT'S NAME:	K. Sai Manoj
PROGRAM:	Web design
DATE:	25/09/2021
TEACHER'S NAME:	Suthakar Ponnambalam
COURSE:	Data Processing Technologies (TTD)
TYPE OF EXAM:	Final exam
DURATION:	3 hours
AUTHORIZED MATERIAL:	None

## OTHER INSTRUCTIONS FROM THE TEACHER

The exam has **5** pages including the cover page. In accordance with the syllabus, the evaluation is worth **25 %** of the final grade.

Penalties imposed on a student accused of an attempt at plagiarism could include, but are not limited to, a grade of 0% for examination or for the entire course. The student could also be either put on probation, suspended and / or expelled from the program.

## OTHER INFORMATION

Prepared by : **Jean-Guy Turgeon**

Revised by : **M.-J. Villeneuve**

Approved by : \_\_\_\_\_

**Good luck !**

## Question 1

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**Briefly explain what is an API.**

Application programming interface allows two applications to communicate with one another to access data. For example if we are sending a message to our friend in facebook or instagram or checking weather in our phone, it is by API. Basically APIs are needed to bring applications together in order to perform a designed function built around sharing data. It allows developers to build new program interactions between the various applications and businesses use on a daily basis.

## Question 2

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**Briefly explain what is a third party API.**

Generally third party APIs are APIs provided by third parties. Many large websites and services provide APIs allowing developers to make use of their data or services. Such companies allows you to access their functionality via JavaScript and use it on your site. Third party APIs are located on third party servers. To access them from JavaScript you first need to connect to the API functionality and make it available on your page.

## Question 3

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**Give an example of a browser's API.**

In simple terms API is an application programming interface for the web where as a Browser API can extend the functionality of a web browser. Browser APIs are built into your web browser and are able to expose data from the browser. Fullscreen API one of the simple example for browser's API. A perfect example of this kind of scenario is checking a product in an e-commerce store. When the user is zooming in, zooming out, and rotating the product's 3D models, you want your users' full attention to be on that product model. Going fullscreen with the product model is one of the best solutions to eliminate distractions, and what the Fullscreen API does is just that.

## Question 4

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**Briefly explain what is a public API.**

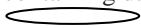
An open API, also called public API, is an application programming interface made publicly available to software developers. Most APIs require an API key. Private API contrasts with a public API, which is a service offered by a party who provides outside access to internal resources. Google APIs is the best example which offers a wide range of open APIs that make it easier to work with Google's many products

## Question 5

**What is an endpoint?**

**(Circle the letter corresponding to your answer)**

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- a) A computer system linked to a public database.
- b) The final line of an API script closing an external file containing data
- c) The URL of a file containing data.
- d) An AJAX request. 
- e) None of the above.

Option d