	FAKULTI KOMPUTERAN	**MARKS:**
	COURSE: WEB TECHNOLOGIES	**/100**
اونيۏرسيتي مليسيا ڤهڠ **UNIVERSITI MALAYSIA PAHANG**	**CODE:** MCT1044	
	COMPONENT:	
	ASSESSMENT: Final Assessment	

Course Learning Outcomes
CO1 Integrate appropriate solutions that utilize fundamental of web-based system and advanced web analytics technology
CO2 Develop solution that apply web technologies in specific problem

GENERAL INSTRUCTION:
1. This is an individual task.
2. This task is 50% from your total assessment marks.
3. You need to submit two items for this Final Assessment
   a) Report of your web application with screenshots of each web pages. This report is the extension of the proposal you submitted during class activity
   b) Folder of you web application contains HTML files, CSS files, PHP files, and all other resources (such as images, videos, and etc.) that you use for the development of your web application
4. Submission is in form of softcopy and hardcopy of the project.

QUESTION 1 [50 MARKS]

Web technology is a broad topic that is evolving rapidly. With almost any web application project, learning new technologies—such as programming languages, frameworks, tools, databases, analytics and many more—is a requirement. A web developer must always be ready to independently explore and learn various technologies and successfully integrate them into a project.

Your goal for this assessment is to design and develop **ONE (1)** Web Application project that you have proposed during class activity. You will design and developed the project individually. The project you proposed should include software development-related technologies that offer you a fresh learning opportunity.

You need to deliver the following as important requirements of your project:

1. You **MUST** use any framework and tools for the development of you web application project.

[5 Marks]

2. You **MUST** host your website on any free website hosting server.

[5 Marks]

3. Using HTML5, CSS, JavaScript, PHP and XAMPP MySQL Server your web application are required include the followings:

a) Create a minimum of **FOUR (4)** to maximum of **FIVE (5)** web pages or more for the propose web application. You need to consider the following when creating your web pages
    i.   Responsive and mobile-friendly web pages
    ii.   Fresh, engaging and original content
    iii. Easy to navigate & clean design (aesthetics)
    iv.   Consistent web pages
    v.   Effective color scheme

    [30 Marks]

b) Design the look and feel of your web pages using at least **TWO (2)** of external CSS files per project build to cater for different styling of the web pages.

    [5 Marks]

c) Construct a database to store persistent data to be use by the web application. Your database **MUST** have a minimum of **THREE (3)** tables.

    [15 Marks]

d) Formulate a minimum of **THREE (3)** useful functions for your web application using a PHP.

    [15 Marks]

e) Manage data handling through appropriate data validation and verification.

    [5 Marks]

f) The proposed web application **MUST** have at least **ONE (1)** JavaScript function for your web application.

    [10 Marks]

4. Design and generate analytics dashboard for your web application, you are encouraged to use Google Analytics. Your analytics **MUST** include **TWO (2)** categories of analytics report from the list below:

    i.   Real time report
    ii.   Audience Report

iii.   Behavior Report
iv.   Acquisition Report

[10 Marks]

-     **FINAL ASSESSMENT**   -