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Expericast Report

ITE220 WEB DEVELOPMENT 2

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**Project:** Creation of a website using HTML, CSS, Java Script, PHP and Mamps, Spotify API.

**Introduction:**

Expericast is a website created with HTML, CSS, Java Script, PHP, and Mamps and the use of Spotify API.  
The aim is to enable users the option to upload, share and listen to various types of podcasts.

We have carefully integrated a Spotify API, enabling users to share existing podcasts from the Spotify website to Expericast.  The purpose of Expericast is to allow community members to upload podcasts on specific topics they are interested in.

**Implementation:**

With the implemented of HTML, CSS, PHP, JAVA Script and Mamps:

The Website and its users are able to

* With HTML the creation of the website skeleton including favicons which will show on each tab of a page in the website.
* Using CSS we were able to style the website and its appearance.
* The Use of Java Script enabled us to create a responsive webpage which can be used on mobile, computer and any other device
* PHP enabled the contact form to be responsive so that users can upload their files and be able to send us messages which we will receive via email. This is possible by using POST method in the contact form HTML and using the PHP Codes as an action.
* The use of Mamps which is a free local server environment which provided us with the tools needed to run our website for testing and development purposes especially when we needed to work with PHP.

**Website Scope , Flow Diagram and Features:**

* The website contains the following navigation structure. Alternative suggestions on page structure are encouraged:

**Homepage:** Homepage created by HTML, CSS, JS. Contains a scrolling page with a Navbar, and the use of SPOTIFY API. Also includes buttons which link to other pages and summaries of existing pages.

Diagram

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Graphical user interface

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Graphical user interface, application

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**HOW THE CONTACT FORM WORKS :** Created a from using the post method and action was linked to the contact form php code, which sends message to email when user sends a message.

Graphical user interface

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Graphical user interface

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**HOW THE UPLOAD FORM WORKS :** Created a from using the post method and action = file upload.php was linked to the upload.php, which lets users upload files to us and we keep them in a local directory in a folder called Uploads.

Graphical user interface

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Graphical user interface

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**LOCAL ENVIRONMENT & TESTING:** We used Mamps which is a free local server environment which provided us with the tools needed to run our website for testing and development purposes especially when we needed to work with PHP. The image below shows how our form shows in our local host server.

A close up of a screen

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Graphical user interface, application, website

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**PROBLEMS FACED :** Creating a database where we can store all users uploads instead of saving them in local directory as well as creating entities and their relationship, such as our users and the database structure itself.

**FUTURE IMPLEMENTATIONS:**

* To use a large database and give users an option to login and sign up.
* Use of AWS as a server, and use of tools such as S3 bucket to host the website.
* Entity relationships between users and the database.
* Figure out security measures and use development frames works such as react native

Reference:

1. How TO - Contact Form. (2018). Retrieved October 10, 2020, from <https://www.w3schools.com/howto/howto_css_contact_form.asp>
2. Https://pageaffairs.com/notebook/php-contact-form/. (n.d.). Retrieved October 10, 2020, from https://pageaffairs.com/notebook/php-contact-form/