

DIGITAL HEALTH
IMPLEMENTATION OF DEVELOPED SYSTEM

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PROTOTYPE
ZIGATO AND FAMILY LABORATORY

Overview:

Thought was made trials was made to run Php and R on the same sever. That was not feasible from the onset. The idea shifted by embedding the airtable into Php using sql as the database.

Due to the booking pattern integrated into this development, Php and sql was used to facilitate the booking process. Airtable was linked with the R to retrieve the data onto the sever.

Setting up:

Installation:

- R studio downloaded and installed using normal standard installation
- Download airtable to receive and data entries to be linked to the sever.
- XAMPP installation

Challenges with XAMPP installation via macbook pro intel:



Fig. 1

Fig. 2

- Xampp was download from; <https://www.apachefriends.org/blog/news-article-157383.html>
- The left first dialog box (fig 1.) showed up prior to opening the downloaded app.

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- Click cancel incase similar issue happens when installing
- Try opening the downloaded app again.
- When the second dialog on the right shows, click on open.
- Right-click on the download app, select open, when asked of password, enter the admin password of the operating system.
- The application takes some min to install going through the standard installation process.

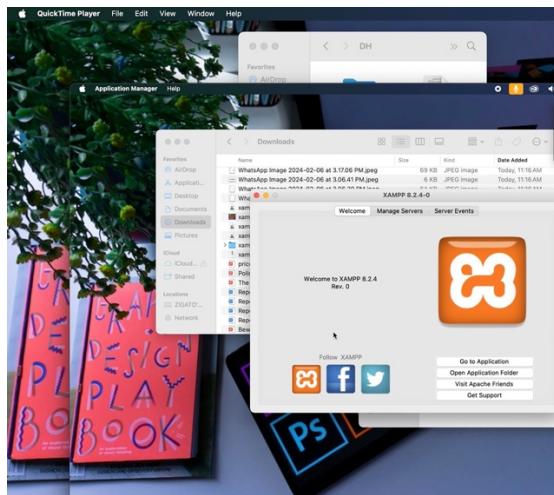


Fig 3

Fig. 3 is the interface when XAMPP application is launched.

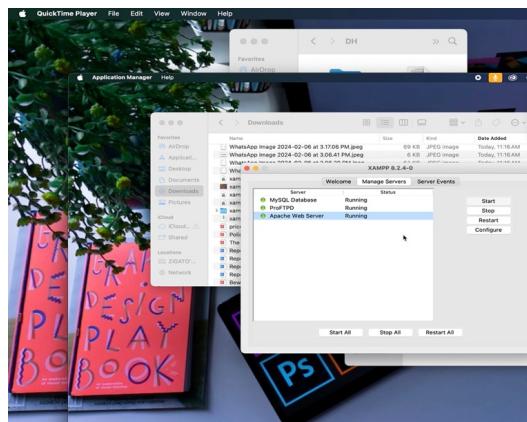


Fig. 4

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- Select manage servers. My Sql database and Apache sever ensured running
- Select “restart all” below as shown in fig.4 incase any of them is stopped.

Importing Sql onto PhpMyadmin:

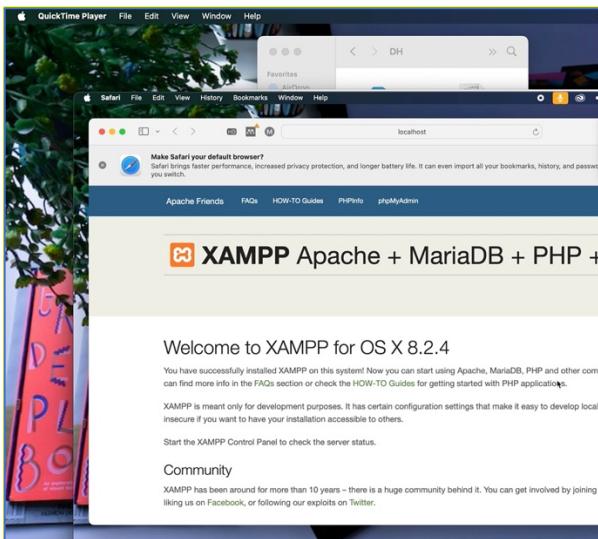


Fig. 5: PhpMyadmin is selected from the nav-bar

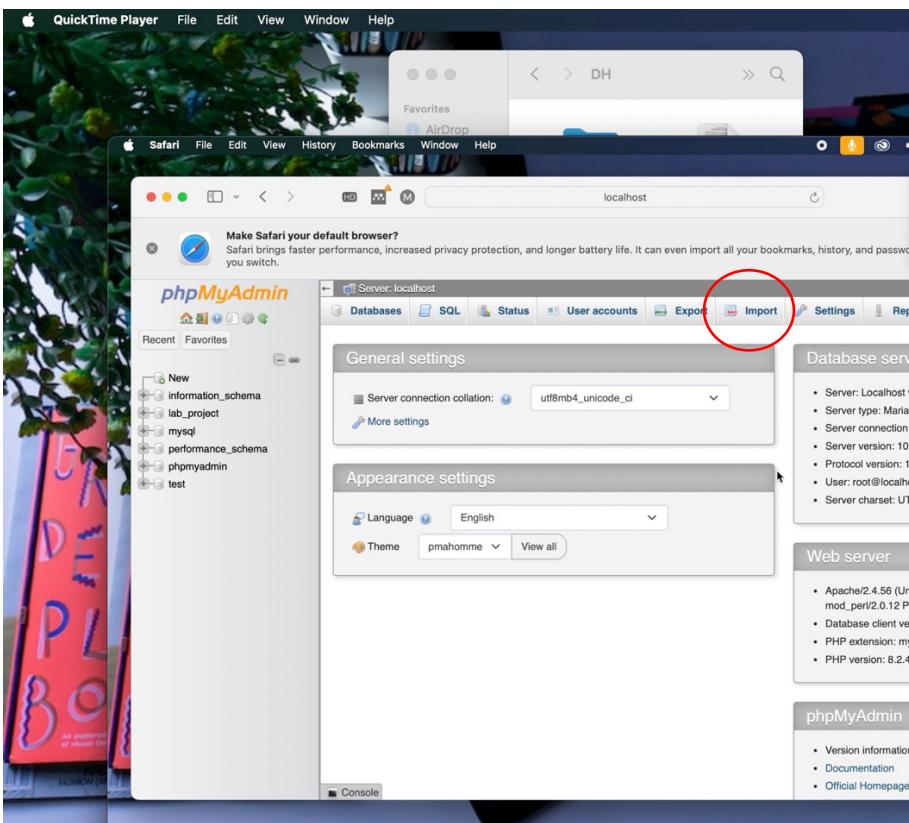


Fig.6

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- import “lab_project sql” from the files shared, scroll down and select import.

NB: The published R code and airtable is imbedded in the PhpMyadmin.

Saving the web interface files into the right directories

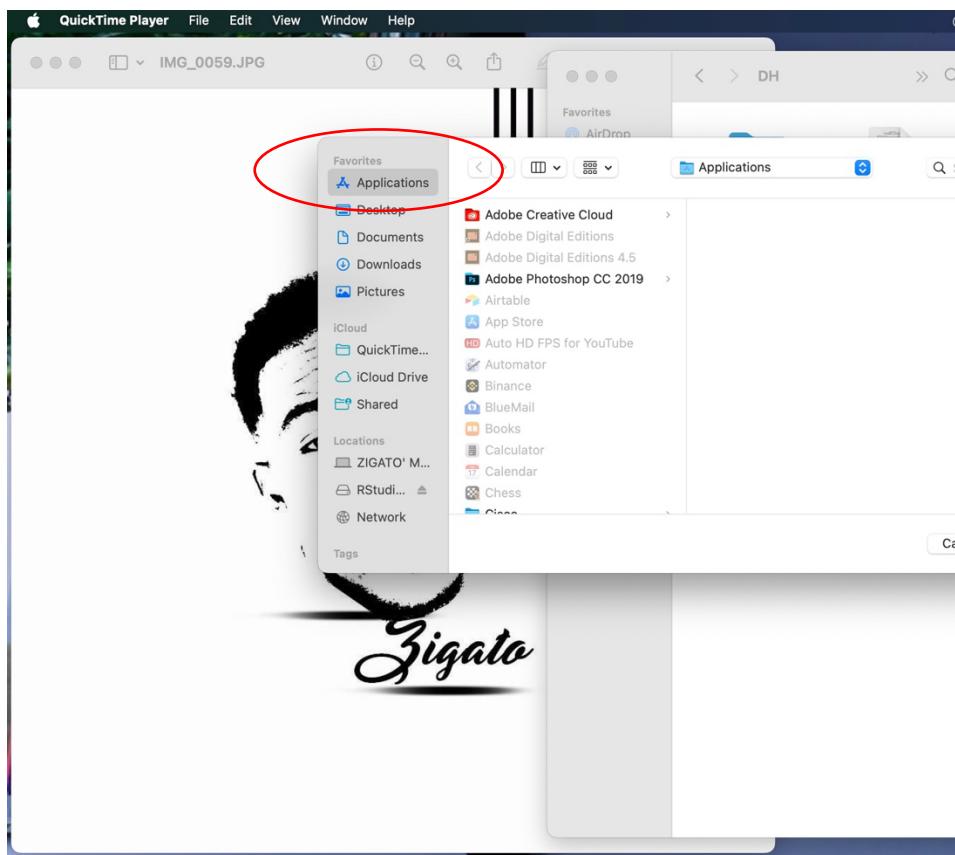


Fig. 7

- Select application circled in red.
- Locate XAMPP from the file finder
- Locate and open xamppfiles
- Locate and open htdocs
- Copy the file labelled “lab_project” into the opened folder.

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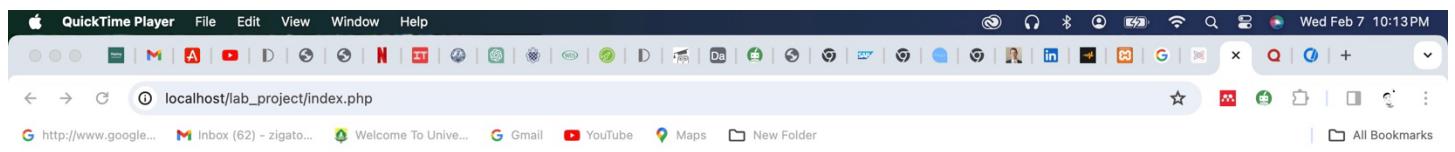
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WEB INTERFACE

Launching

“Localhost/lab_reports” can be searched on the address bar.



ZIGATO AND FAMILY LABORATORY

Electronic Record system for Zigato & Family laboratory data collection



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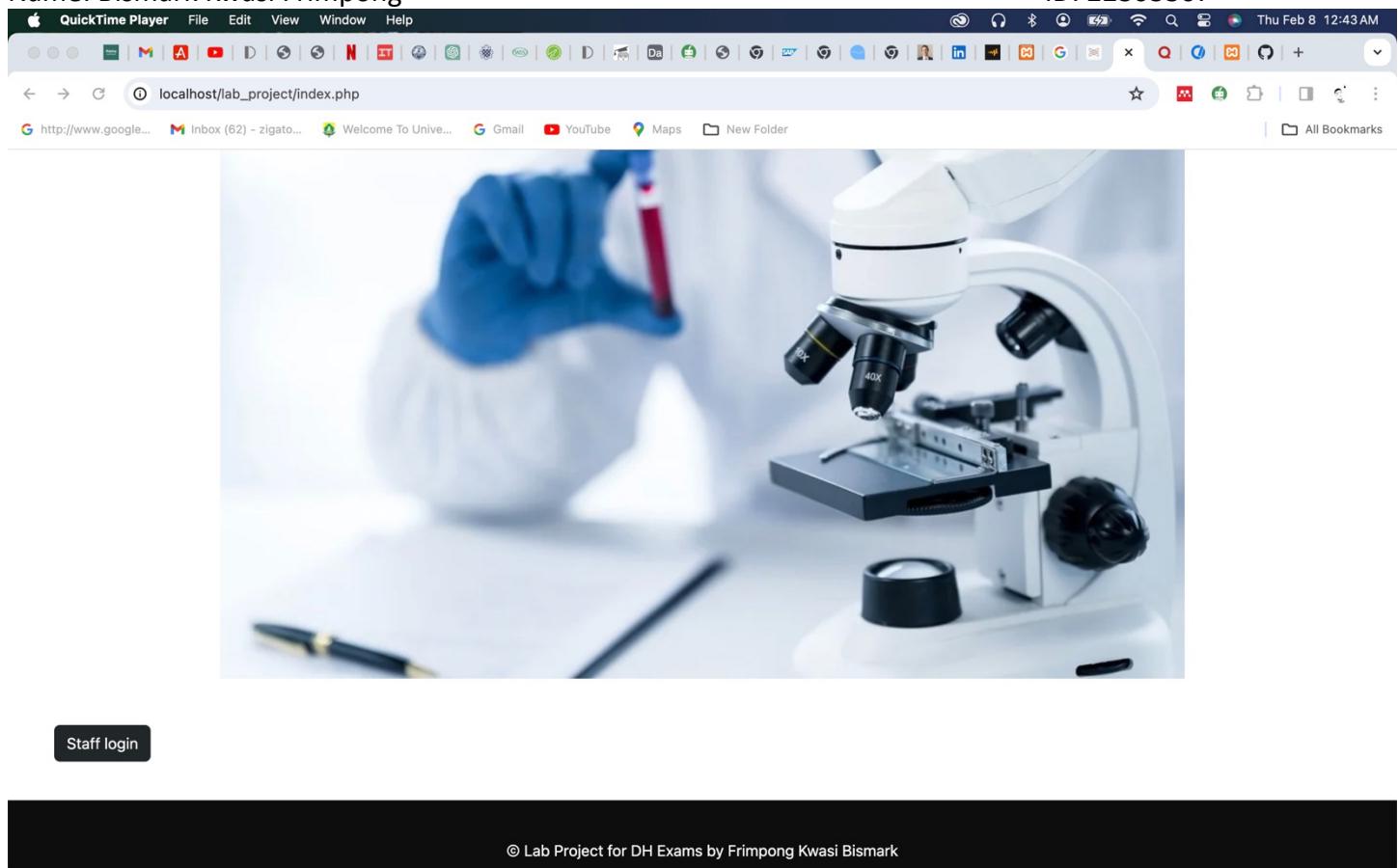
Fig. 8

Book appointment option enables Client to book appointment online from fig.8 at the part circled in red.

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[Staff login](#)

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Staff login option allows family members and staffs in the laboratories to visualize and monitor activities for the former whiles entering the data and reporting results for the latter.

Log-in as staff member on the website interface:

- Enter any e-mail.
- Enter any password.

Access will be given for both staffs and stakeholders.

Below are links to the files as discussed above. The description gives details on the pre-requisite needed to make the developed application functional.

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https://github.com/23W-gph/bismark_frimpongDHexam_project

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Github link gives access to all the files and short video explaining its feasibility.

http://localhost/lab_project/index.php

This takes user to the web-interface which the interactions go on between all the parties involved.