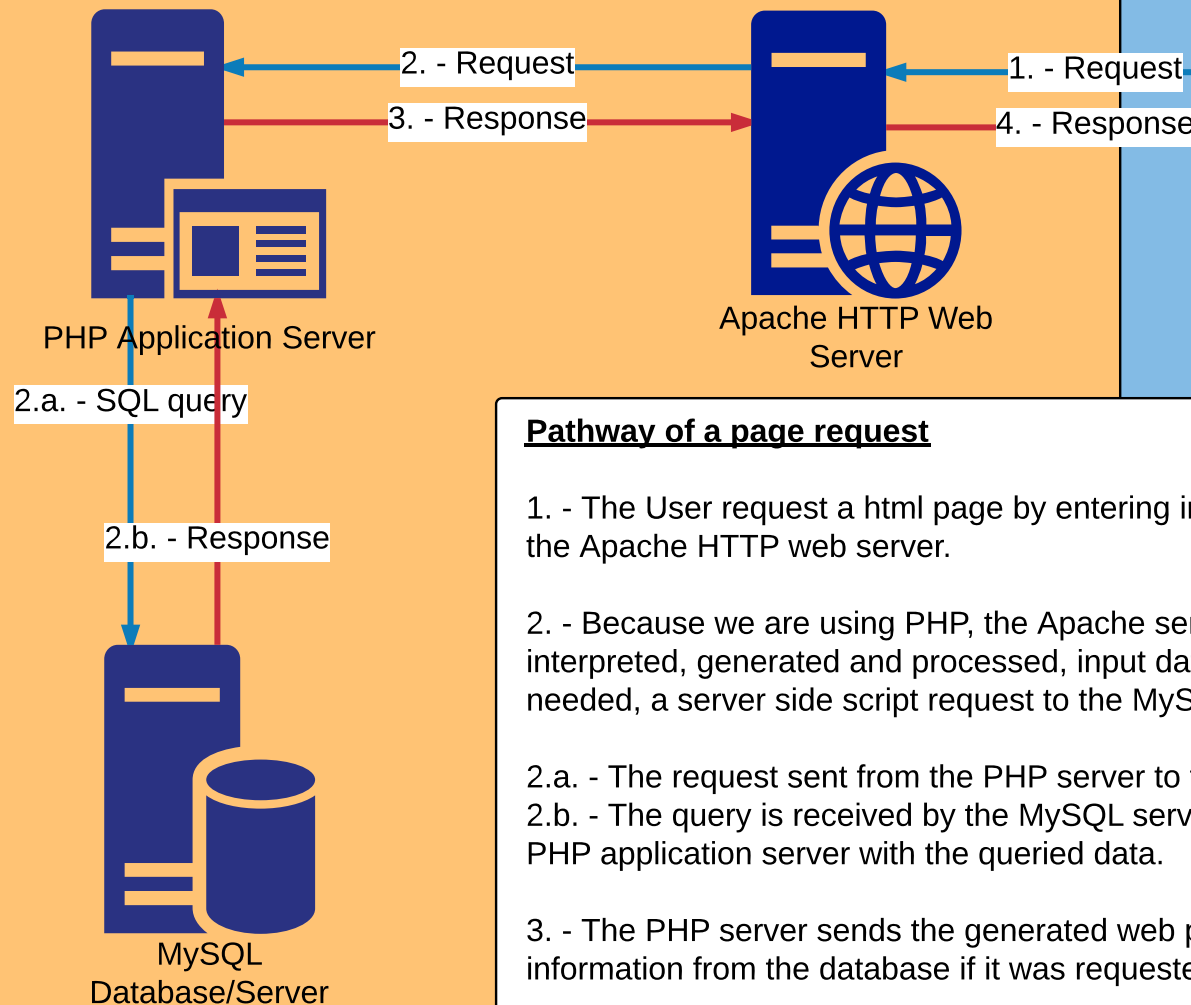


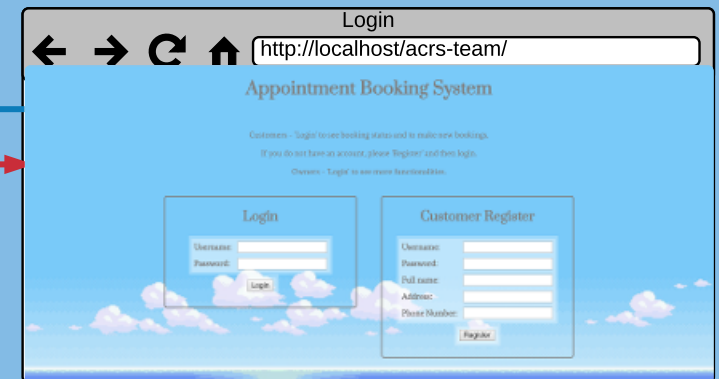
High Level Architecture Diagram

User's Operating System

XAMPP Web application Stack



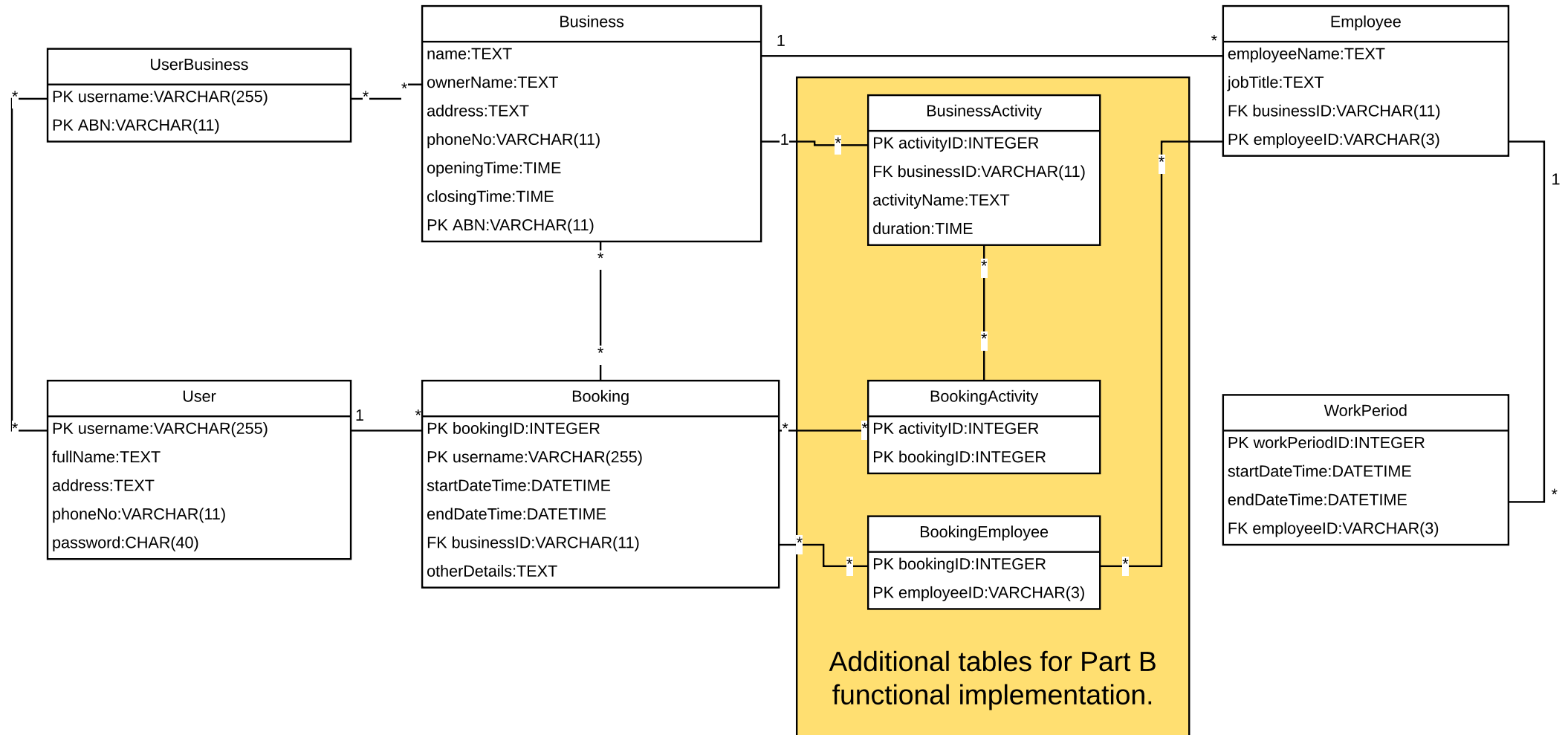
User's Browser



Pathway of a page request

1. - The User request a html page by entering in the URL or clicking on a link, a page request is sent to the Apache HTTP web server.
2. - Because we are using PHP, the Apache server sends a request of the page to the PHP server to be interpreted, generated and processed, input data from the user is validated and if any data query is needed, a server side script request to the MySQL server is generated.
 - 2.a. - The request sent from the PHP server to the MySQL server, if a query is needed.
 - 2.b. - The query is received by the MySQL server and processed, a return response is sent back to the PHP application server with the queried data.
3. - The PHP server sends the generated web page back to the Apache server, with any other information from the database if it was requested.
4. - The Apache webserver sends the response back to the User's browser for it to be processed and displayed.

MySQL UML database schema



Folder/File Structure

acrs-team folder

Folder root -
Users facing files and pages

Root

assets

Resources used for the
website

datalogging

Resources used for the
datalogging(log4php)

Part_B_submission

Files for Part B submissions

sqlScripts

Scripts for MySQL startup

calendar

Resources for the calendar
plug-in, from
<https://fullcalendar.io>

databaseClass

Folder for abstracted
database connection

images

Image assets used
throughout the website

processForms

PHP files used to process
the various forms
throughout the website