**COMP-3340 Project Documentation**

Purpose:

The purpose of the “Astro Pizza” site is to provide users with the ability to order pizza online. The homepage will allow the user to log in and see new deals for pizzas they can order. They will also be introduced to our pizza builder, which allows them to build a pizza on the site and then order the pizza they just created. The types of users we would expect to use this site would be just about anyone who is hungry enough and enjoys pizza. The website is simple and intuitive to make ordering pizza easy for just about anyone who creates an account.

Creating A Database With Minimum Steps:

In order to create the database for this site, you must link your database within the “config.php” file by replacing the data source name, database username and database password with your own values. You should:

* set up all the files within the “class” folder into a folder named “class” within the “public\_html” folder
* set up all files within the “dbadmin” folder into a folder named “dbadmin” within the “public\_html” folder
* set up “index.php” within the “public\_html” folder (include a folder named “css” and add “pizza.css” within it for style)

Now on the main “index.php” page of the site, in the log in section put the email as [admin@pizza.com](mailto:admin@pizza.com) and the password as “abc123” and log in. If done successfully, this should create the database with the minimum steps. Note that none of the other database functions work with just these steps alone.

Installation of Entire Website:

To install the website onto myweb, simply upload all folders and files as they are in their respective directories. If there are folders and files in the “public\_html” folder, then they should go within the “public\_html” folder on myweb. If there is a folder named “js” in “public\_html”, then a folder named “js” should be created within “public\_html” on myweb and contain the exact same files as it does within the ZIP file and so on and so forth. The only file that needs to be edited is “config.php” for the database connection as mentioned in the above steps for setting up a database.

Features:

The contains features like:

* Page indexing menu, subject to change if user is logged in or not
* login portal on the main page
* customizable pizza on the “Place and order” page allowing users to drag and drop there toppings and remove them from the adjacent order list
* when complete, the user can “submit” the order and is redirected back to the home page
* The “Contact us” page hold the location listings and the “Ask a Question” button in the lower right hand
* The question form can be raised/closed depending on users focus, and then submitted, with the user being notified of a successful submission
* The “Sign up” page is where users can enter their information in order to create an account with the business, upon submission the account is committed to the site database and the user can now login
* All site objects/items are configured utilizing flexbox functionality, and should be adaptable to any screen
* Users have the ability to manage their account by changing their password or address when logged in
* Build Pizza page:
* In order to create a customized pizza to order, the user can click and drag the toppings (on the left) and place them overtop the circular pizza image to the right.
* When a topping is placed on the pizza, the name of the topping will appear on the notepad image (on the right) with a corresponding "remove" button.
* If the remove button is clicked on, the topping will be set back to its original place and the item will no longer be on the list.
* When the user is done selecting their toppings, they may click on the "submit" button, located at the bottom of the notepad.
* When the user submits their pizza, an alert should pop up informing the user that their order has been submitted.
* They will then be redirected to the home page where they have the ability to log out, place another order, or visit any other page on the website.

Security Checks

Some pages are prohibited or will output different HTML depending on whether or not the user is logged in or not or if they’re an admin or not. Certain parts of the site such as account management will be forbidden if one isn’t signed in through the use PHP (these files can be found in the “management” folder). Another example of a security precaution is the prevention of HTML injection and SQL injection. This achieved by processing an inputted values by the user through “htmlspecialchars()” and prepared SQL statements within PHP (found in the “dbuser.class.php” file). Any part of the site where user input is involved has injection prevention implemented (“process-login.php”, “process-signup.php”, “process-change-address.php”, “process-change-pass.php”).