Assignment 2 Database Description

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The database used for the website Webprogramazon.ca, is a MySQL database created using the PHPMyAdmin tool included with XAMPP. The database, named webprogramazon, consists of two tables and does not contain any relationships at this time. It is a simple database which is used only to store and retrieve data required by the website. As such, there are also no included views, functions, stored procedures, or triggers as they are not required for the purposes of the website. The database primarily serves to store information about the users of Webprogramazon.ca, as well as the products offered on the website. The user data is used for authentication purposes. These two kinds of data are divided into the previously mentioned tables, and stored within the database.

The two tables that comprise the database are the users table and the products the table. The users table contains information about users that have created accounts with Webprogramazon.ca. The columns of the users table are user\_id (int), full\_name (varchar), email (varchar), password (varchar), address (varchar), city (varchar), province (varchar), postal\_code (varchar), is\_admin (boolean), created (date), and updated (date). The user\_id is an auto-incrementing primary key that is used to identify rows in the table. The full\_name through postal\_code fields store data supplied by the user upon submitting the website’s registration form. However, the email column is unique in that it has a UNIQUE constraint applied to it. Therefore, it can also uniquely identify each row of the table. This is because login is validated through email authentication, therefore emails must be unique. is\_admin is internally set by the site admins and denotes administrator status. This is currently unused within the site. Finally, created and updated are used for logging purposes and represent the date the entry was create and last updated respectively. The products table contains data about the products offered on the wbsite. The columns of the products table are product\_id (int), name (varchar), category (int), price (double), quantity (int), image (varchar), created (date), and updated (date). The product\_id column is an auto-incrementing primary key and serves to uniquely identify each row in the table. Name through quantity represent information about a product. The image column contains a filepath to an image in the website folder. Finally, created and updated are used for logging purposes and represent the date the entry was create and last updated respectively.

The webprograamazon database is the database used by Webprogramazon.ca to store user and product data. It contains two tables, the users and products table which are used to store and retrieve the data needed by the website.