**TEAM 13 – Store DB README**

**WHERE TO ACCESS THE HOSTED PROJECT:** <https://shielded-peak-96839.herokuapp.com/>

**User role Login:**

* **User/Customer:**
  + **Username:** testing
  + **Password:** test123
* **Admin:**
  + **Username:** admin
  + **Password:** admin123
* NOTE: Admin and user login will be done via the same login form. If the system detect that you are an admin, it will direct you to the admin page and an admin page will appear on the top left of the nav bar as opposing to the profile page of the user/customer once they successfully log in.

**Where to Access Codes:**

* **Database Related:** All of our database related scripts such as mock data insertion, trigger creation and schema creation can be found via database\_related\_scripts
  + The database connection will be in config/db.js
* **Backend Code:** Our backend code can be accessed via server.js and the rest will reside in routes folder
* **Front end Code:** 
  + **Static File (CSS):** It will be in public folder.
  + **Other:** All other front-end related code will be in views folder

**Steps to run the backend/frontend file:**

* Go to the folder where the project is stored and open up the terminal and make sure you have node and npm installed
* To get all the dependencies, run:
  + Npm install
* Run these commands in the terminal to get the packages that we use for this project:
  + Npm install nodemon
  + Npm install express
  + Npm install express-session
  + Npm install express-ejs-layouts
  + Npm install mysql
  + Npm install cookie-parser
  + Npm install connect-flash
  + Npm install path
  + Npm install morgan
* To run the backend, run this command:
  + Nodemon server.js
* The front end can be accessed locally by localhost:3666

**Trigger:**

**Where to Find trigger code:** database\_related\_scripts/storeDBScript.sql and scroll all the way down

1. **CartID Trigger:** This trigger will only be activated once a new user register. Once a user successfully registered, a new cartID will be created in our customer cart relation table(cust\_cart) and this cart will be referred to whenever a customer tries to add item to our cart table.
2. **Discount Trigger:** This trigger will only be activated when the user reaches 1000 store credit (1$ = 1 store credit). Once the user reaches 1000 store credits, their next purchase of any amount will receive a 50% discount. This trigger also deducts 1000 store credits once the user makes their purchase.
   * To see this trigger in action please use the login below. It has the 1000 store credits preloaded:
     + Username: discount
     + Password: discount123
3. **Low stock trigger:** This trigger will be activated when any product’s quantity in our database go under 10. Once any product goes under 10, the trigger will be adding more quantity to that product using this formula: quantity\_inStock = FLOOR(RAND()\*(50-10+1)+10)

**Main Functionality for Data Entry:**

1. User side:
   1. Customer can modify their prefilled personal information then hit the submit button to finalize the change(s)
   2. Customer can change their password via the profile page by clicking the change password link. The system will prompt for their old passport and they will be asked to confirm their new password
   3. New user can register a new account via the register page
   4. User can add products to cart, delete product from cart and check out products
   5. User can view their current order in their profile page
2. Admin side
   1. Admin can add a new product via add product section
   2. Admin can modify current product via Modify product section
      1. Admin needs to select a department then hit first submit button for the product drop down to be populated. Once it’s populated, you can pick the product that you want to modify
   3. Admin can view current users and delete any user they wish to delete
   4. Admin can delete any current product and also view the current orders and change the order status if needed.
   5. Admin can also check out sales report between two time frames and another report which is department based
      1. **Reports can be found via Product Report section of the admin page. From there, you can pick which report you want.**