**PROJECT PROPOSAL**

**PROJECT TOPIC: E-Commerce (online retail) Web Application**

INFO-6250 Web Development Tools and Methods | Merwin Roy – 002959569

The E-Commerce Web application aims to create an ecosystem that integrates various roles which include customers, employees, administrator in order to facilitate efficient E-commerce business operations which include inventory management, product sales and delivery, as well as employee management. The application will accommodate unique username and passwords for users based on their roles to grant them access to different functionalities.

**User roles and functionalities:**

* **Administrator:**
  + Add/Modify/Remove employee details
  + Access order details
  + Manage customer/employee login credentials
* **Customer:**
  + Add items to cart for purchase
  + Remove items from cart
  + Display or view items added to cart
* **Employee:**
  + Manage/Update inventory (add products, change pricing)
  + Access inventory details

**Technologies used:**

* **Front end:** HTML, CSS,JSP, JavaScript
* **Backend:** PostgreSQL database, Spring MVC framework, Hibernate, Apache Tomcat web server