The Dull Company

E-Commerce Store

Info 3135 S11

Kassandra Montgomery

Vibhor Chopra

# Architecture/Design

## 1.1 Site Structure

This diagram shows the structure of the The Dull Company (TDC) website. There are 3 different navbars: one for users who are not logged in, one for customers, and one for admin. The starting point is the login and when a user logs out from any other page, they are redirected to the login page. Once the user logs in, they are redirected to the home page. Users who are not logged in are able to sign up, browse products, and see search results.

A diagram of a website

Description automatically generated

## 1.2 Database ER Diagram

This diagram shows the relationships between our database tables. One user may have multiple orders, but an order must be associated with one user. The table orderItems is an associative table to connect orders and the items table and therefore contains mostly foreign keys. There may be multiple items within an order and items may be associated with more than one item.

A black background with white text

Description automatically generated

## 1.3 Class/Relationship Diagram

The following diagram shows the relationships between files for the website. It follows a MVC pattern where controller file call model files for any database queries and call view files to show whatever the user will see. There are three separate view files that contain a specific navbar type. The controller files contain an if/else statement that includes one of the three navbars depending on who is logged in.

A black screen with white rectangles

Description automatically generated

# 2.0 Site Screenshots