




e-Commerce for CU Boulder

TLEN 5839 Final Project
-By Shubham Mudgal



Introduction

Purpose:

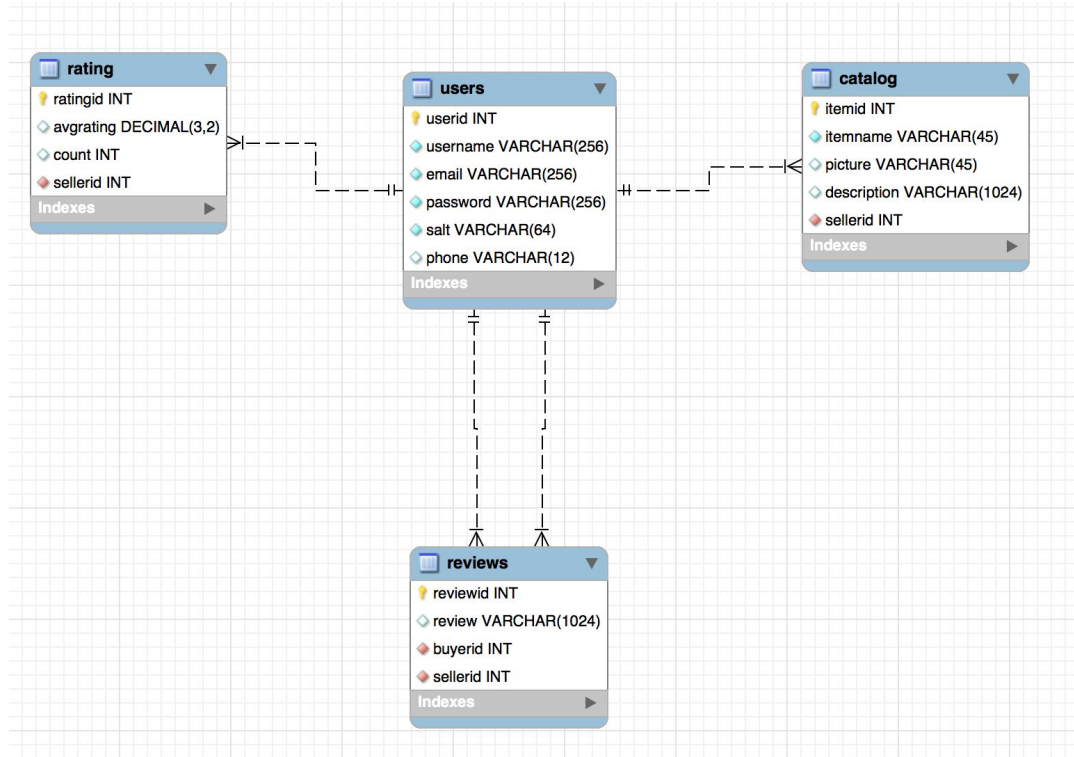
Enable students to buy/sell the commodities that they do not require to sell/ they require to buy second hand from other fellow students

Even though anyone can view commodities available to sell on the website, buyers will have to login to view seller's details and rate the seller.

e-Commerce for CU Boulder

- An internal website for CU Boulder students where students can buy/sell used stuff.
- It has authentication(CU Boulder email id as username) which validates the authorized users.
- Session-based web application after user has logged in.
- User can upload pictures and description of the stuff they are selling.
- Buyers can comment or give stars(ratings) to the seller which will add to their profile as points.
- All the data is stored in Mysql database and measures are taken for prevention from SQL Injections.

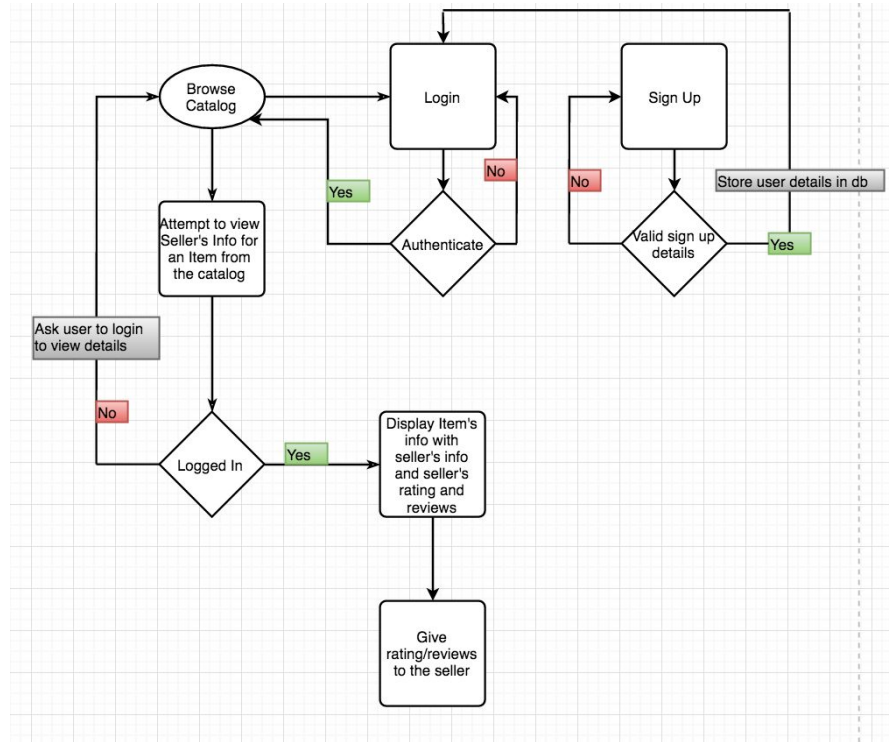
ER Diagram



Security

1. Secure protocol used : HTTPS
2. Sessions created on successful login.
3. SQLi prevention: used prepared statements, sanitized user inputs.
4. XSS prevention: used htmlspecialchars to get data from db.
5. Recorded login attempts (success and failure) from the IP address and time of login.
6. Disallowing users with more than 5 failed login attempts in last hour.

Flow of User Authentication and Viewing Seller Info



Demo

<https://100.66.1.23/project/>

Thank you