EE333 Final Project Customer Management System
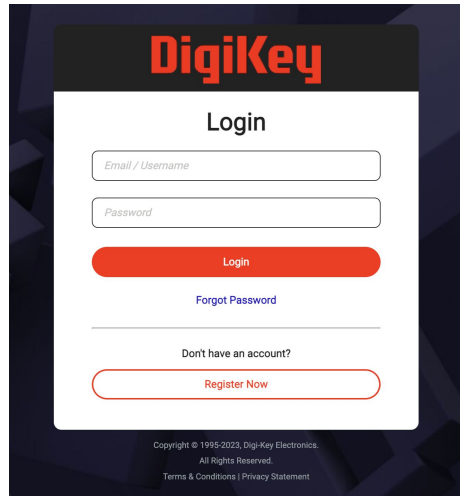
Jonathan Myers - Data Model
Tyler Brasher - Graphical User Interface
Adam Ingah - Infrastructure
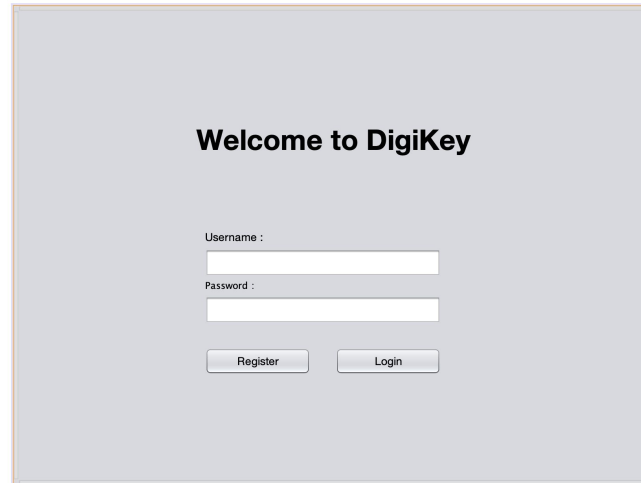
www.github.com/adamingah/EE333P5

Project Description

The purpose of the project is to develop a customer management system that behaves like many e-commerce platforms. The platform we are specifically attempting to replicate is www.Digikey.com. From this platform, we wanted to be able to handle orders, customers, and internal users.

Functional Customer Requirements

- **Command line user interface AND Graphical User Interface**
    - Create, read, update, archive, and delete a customer
    - Read, Update (quantity), and archive products
    - Create, read, update, archive (ship), and delete an order
- **Maintain customer and product information in a structured file**
    - We used CSV format, and for the custom parser we used and regular expression.
- **Class Structure and inheritance for users and products**
- **Using appropriate encapsulation techniques for User Data**

Account Creation

Username [   ]
Email [   ]
Password [   ]

Shipping Address

Street [   ]
City [   ]
State [Please Select A State ▼]
Zip [   ]

☐ Make Shipping Address Same As Billing

Billing Address

Street [   ]
City [   ]
State [Please Select A State ▼]
Zip [   ]

[Create Acco...]

Demonstration

Challenges and Improvements

/* To-do

* 1. Validation is an important part of file input/output, but with respect to time it was skipped.

* 2. Generating a random, unique ID for each user was a feature that was also cut due to time, but would have improved the functionality of the application

* 3. A wizard for setting up the type repository that data was stored in was something that was cut

* 4. Application/System testing was something we would've liked to do, but did not get to

* 5. Overall refinements (Styling, bugs, etc.)

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