Electronic Vendor Database

Group 27

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**Application Overview:**

The function of this application is to operate as an electronics vendor. With this, it is supposed to be used to access shipping details of your own shipments as a customer along with the ability as an employee to track shipments your distro has sent out to people. The application has a sign in page, along with a sign-up page if you are a new employee or customer. After this, it will take you to the main page, which will display all your information to confirm that it is all correct. On this page, there is also an orders table which you can access which allows you to see your status of your orders, along with as an employee see the orders in your distro.

All the data is stopped in an Oracle database in the backend and the data is retrieved in real time, when using certain actions on the front-end application UI. All the data is checked and updated for every action preformed.

**Features:**

The application that we developed supports the following actions:

1. Every customer can register an account with an email and be assigned an ID for that customer in the database.
2. Every employee can also register an account with an email, but they also must add their distro code in order to see the orders in their distro. Along with this, they also get assigned an ID so tracking them is easier in the database.
3. A customer holding an account can check the status of their orders, along with checking if their current information on file is correct and can change it if needed.
4. Employees can check and see product order information in their distro. Along with checking and seeing their own information.
5. When new order is added, the order listing will change in the distribution center it was sent from, along with the customer having an updated order list.

**ER Diagram:**

Diagram

Description automatically generated

**SQL Scipts:**



**Application Screenshots:**

**Graphical user interface, application

Description automatically generated**

This is our launch screen, which makes it where the customer or employee puts their information in if they have an account. If not, they must sign up with the corresponding buttons.

Graphical user interface, application

Description automatically generated

This is the customer sign-up page. Which requires them to input their information which gets saved after the sign up button is clicked.

Graphical user interface, application

Description automatically generated

This is the employee sign-up page. Which requires them to input their information which gets saved after the sign-up button is clicked.

Graphical user interface, application

Description automatically generated

This is the customer page which the user will see when they log in

Graphical user interface, application

Description automatically generated

This is the order window that appears when the user or employee clicks on orders in the previous window. This will be different depending on the user and employee.

**Project work Distribution:**

Each of us tried to work evenly through out the project. Andrew working on the back end database along with making the ER diagram. While Gabriel worked with the java GUI along with writing this report. Kimberly worked with touching up issues with the database and GUI, along with testing the database.