

# CSCE-310 | Project Report



## Group **23**

Alex Gerulis  
Catherine Duong

Ryan Kafka  
Yvan Tonthat

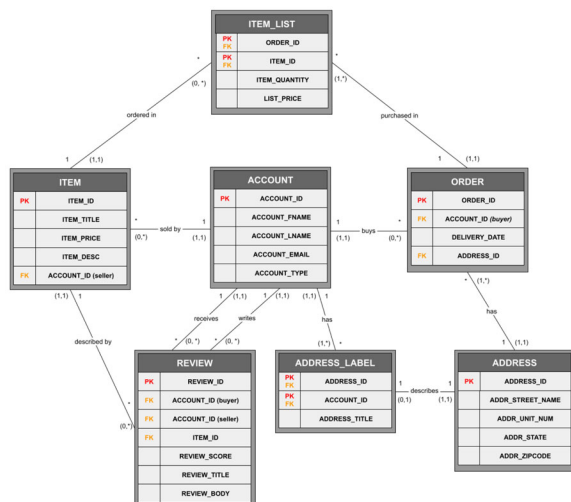


## Alterations to Database Design

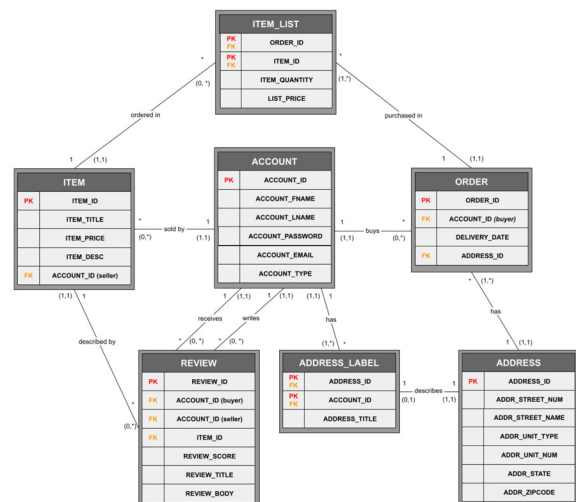
Overall, our database pretty closely reflects the ERD we finalized at the time of submission of the “Final Database Design” assignment. However, some minor changes, namely in the form of including additional attributes, were made.

1. The **'account\_password'** attribute was added to the **'account'** table. This tracks each account's password so that they may log-in. In this simple implementation, hashing is not used (as all data involved is fake and for the purpose of demonstrating knowledge of interacting with the database, and thus not private data is at risk).
2. The **'addr\_street\_num'** attribute was added to the **'address'** table. This was an oversight to not include in the original, as it is a necessary component of an address.
3. The **'addr\_unit\_type'** attribute was added to the **'address'** table. This was another oversight to not include in the original, as most secondary lines for street addresses require not only a number but also the type (*P.O. Box, APT., UNIT*, etc.)

### Original ERD:



### Updated ERD:





## Project Files

Each group member created their own files based on their functionalities at play, which were then merged together in the end.

The team initially lacked a consistent database, so retrospectively Ryan exported one to be shared after each had already started on their respective responsibilities. In the process, he modified a fair share of files to assist in integration efforts and link both the site's pages and its database interactions into a consistent whole, as well as tweak components slightly to improve functionality – this explains the additional input with him listed as the editor.

Listed in order of their appearance in Ryan's directory, these are the paths/files handled by each team member and what they accomplish:

File Name / Path	Notable Editors (Bold->Lead)	File/Path Purpose
accounts/*.csv	<b>Alex</b>	Basic dummy data for accounts
accounts/account.php	<b>Alex</b>	Basic account functionality page
accounts/ipynb	<b>Alex</b>	Basic dummy data set for accounts
accounts/home.php	<b>Alex</b>	Basic home page
accounts/login.php	<b>Alex</b>	Allow to log-in to an account
accounts/register.php	<b>Alex</b>	Allow to register a new account
accounts/navbar.html	<b>Alex</b>	Navigation Bar (replaced)
accounts/style.css	<b>Alex</b>	Stylesheet for Accounts
admin_acc/item_delete/	<b>Catherine</b>	Allow for deleting of items
admin_acc/item_edit_desc/	<b>Catherine</b>	Allow for editing the description of items
admin_acc/item_existed_items/	<b>Catherine</b>	
admin_acc/item_list_insertion/	<b>Catherine</b>	Allow for insertion of new items
customer_acc/customer_home_page/	<b>Catherine</b>	Main page for customer to navigate to when interested in items
customer_acc/item_list_search/	<b>Catherine</b>	Search page handling interaction with items by customer

# CSCE-310 Project Report | Group 23: Crossroads

Alex Gerulis, Cathering Duong, Ryan Kafka, Yvan Tonthat



dummy_data/	Catherine	Used to establish basic database before "crossroads.sql" was involved
images/	Ryan	Added icons of the project logo
orders/functions/access_order.php	Ryan	
orders/functions/access_order.php	Ryan	
orders/functions/access_order.php	Ryan	
orders/scheduling.php	Ryan	Main Orders/Scheduling webpage
reviews/edit_review.php	Yvan	Adds function to edit an existing review
reviews/remove_review.php	Yvan	Adds function to delete a review from the database
reviews/review_styles.css	Yvan	Adds styling for the review page
reviews/reviews.html	Yvan	Main review webpage
reviews/search_review.php	Yvan	Adds function to search for a review in the database
reviews/write_review.php	Yvan	Adds function to write a new review to the database
account.php	Ryan, Alex	Basic account page, linked in to Alex's
connect.php	Ryan	Basic php code for connecting to SQL server, can be called in other files
home.php	Ryan	Basic home screen welcoming in user after log-in, allows them access to navigation bar so they may navigate to the main functionalities
items-home.php	Ryan	Links Catherine's customer home page into main site
items-search.php	Ryan	Links Catherine's customer item search page into the main site
reviews.php	Ryan	Links Yvan's review page & functionality into the main site.
login.php	Alex, Ryan	Allow for logging into the site, starting the session and storing the account information. This should be the initial page visited when accessing the site.
logout.php	Ryan	Allow for logging out, thus ending the session and allowing for it to be reset with another account's information.



crossroads.sql	Ryan, Catherine	File to build database from.
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## Functionalities

**Ryan Kafka** was in charge of **Orders/Scheduling**.

This functionality includes:

- Adding new orders to the table based upon Account ID, delivery date, and Address ID
- Removing orders from the table using an in-table by-row delete button
- Updating orders using an in-table by-row update button which opens input spaces (autofilled with previous information) in the row selected. Not all fields can be edited (due to dependencies, must auto-update when the page is reloaded to re-perform the SQL statement joining other related tables).
- Viewing the data collected on orders as well as other related data stemming from the information saved in orders.
  - ★ The table shown uses JOIN operations to show more relevant data that the users may wish to see. This includes the Address Label/Title linked to the Account ID + Address ID given in the `orders` table as well as the buyer's name (derived from the Account ID given in the `orders` table).

The admin, buyer, and seller differ in what they see and how they interact with the data.

- **Admin** – Can view the entire dataset compiled for orders. It is possible to change/add for any relevant account ID, as the admin has overarching permissions.
- **Buyer** – Can not see the account information, since only their account is in use. As such, any update, delete, insert, or view could only regard their own account's orders.
- **Seller** – Can not manipulate the data of others, only their own account. In reality, the seller does not have need for this implementation of page as it is more intended for buyers; items are more seller-centric as opposed to orders being more buyer-centric.

**Alex Gerulis** was in charge of **Accounts**.

This functionality includes:

- ???

The user types differ as such:.

- **Admin** – ???



- *Buyer* – ???
- *Seller* – ???

**Catherine Duong** was in charge of **Items**.

This functionality includes:

- ???

The user types differ as such..

- *Admin* – ???
- *Buyer* – ???
- *Seller* – ???

**Yvan Tonthat** was in charge of **Reviews**.

This functionality includes:

- ???

The user types differ as such..

- *Admin* – ???
- *Buyer* – ???
- *Seller* – ???