



**The Game Vault**

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## General Description (what the application is about; why you created this application, intended audience, etc.)

The primary objective of this project was to design and develop a functional and visually appealing e-commerce website that caters to enthusiasts of board games, card games, and collectibles. Our target audience includes board game and card game enthusiasts, collectors, hobbyists and families and casual players.

### Programs Used:

- HTML, CSS, JavaScript (for front-end development)
- PHP and SQL (for back-end functionality and database management)

## Main Features (what do you provide to the users; what users can do)

We provide a streamlined way to browse card games and board games. There is a newsletter subscription, and account creation option for our dedicated users to utilize to continue saving and get recommended the best products and deals catered to them. There are featured products, a contact list with a live map, a streamlined ordering and product details page.

## Site Flow Chart



## Database Details (tables, fields and their purposes)

### Total tables used

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> categories	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_general_ci	16.0 KiB	-
<input type="checkbox"/> orders	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_general_ci	32.0 KiB	-
<input type="checkbox"/> order_items	★ Browse Structure Search Insert Empty Drop	9	InnoDB	utf8_general_ci	48.0 KiB	-
<input type="checkbox"/> products	★ Browse Structure Search Insert Empty Drop	11	InnoDB	utf8_general_ci	32.0 KiB	-
<input type="checkbox"/> transactions	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_general_ci	32.0 KiB	-
<input type="checkbox"/> users	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_general_ci	48.0 KiB	-
6 tables	Sum	40	InnoDB	utf8_general_ci	208.0 KiB	0 B

Each table stores, the categories, names, order IDs, transactions, and other things that relate to the status of page. These items can be changed at anytime to reflect the stock, email changes, and order tracking.

**Technical Details (explain how and why the following items were used: use css to style the application; use file inclusion to make it easy to maintain the application; use sessions in login/out and shopping cart; use MySQL databases for the data layer)**

The CSS style was used to create a universal template for the website so that the reusability and accessibility of the page can be managed easily. We went with a stark contrast of black and green to give an attention-grabbing look to our website without being obnoxious.

The file inclusions were easy to manage and are used to create dynamic and updated values, orders, and account information correctly and continuously updated.

Logins, order quantities, account information, and order ids are all stored neatly within our database can be easily changed and pushed out through the entire website without breaking.

### Feedback (include comments, suggestion, likes and dislikes, and your learning experience)

Overall, our group did an incredible job sticking to our plan and making sure everything went smoothly with our projects. There was no conflict between members and any technical issues were solved in a timely manner.