

# **GlamGait Shopping Website**



## **self-evaluation report**

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## □ **Introduction**

At GlamGait, I was in the role of user authentication and data management to improve the platform's security. I created a secure login system with a user-friendly manner to examine purchase history, all while assuring seamless connection with front-end development lead by Fatima and Kholoud to give a dynamic and dependable e-commerce experience.

## □ **My Contributions:**

I took on the essential responsibility of guaranteeing safe user logins to our platform, with a focus on Use Case 1: Login. My role was to simplify the login process by utilizing the users.json file, which held a list of user credentials. Recognizing the importance of security in logging in, I established a verification system to authenticate users against the credentials saved in users.json. Beyond authentication, I ensured that visitors were seamlessly transferred to the app's main page after logging in, putting the user experience first. My effort to establishing a simple yet secure login experience was important in instilling trust and simplicity in users from their first engagement with the site.

In handling Use Cases 4-6, I used my back-end experience to secure the integrity and security of our platform's data, particularly transaction histories and item uploads. I created a solid system for logging and accessing purchase histories, keeping user data exact and easily accessible for individuals who want to evaluate their previous purchases. For sellers, I created a responsive back-end architecture that allows item listings to be updated and managed instantly. This ensured that any new additions or changes made by sellers were immediately and accurately displayed in the platform's search capabilities. My work resulted in a seamless experience for both buyers and sellers, establishing the platform's credibility with a strong back-end structure that securely and efficiently allowed complex data transactions.

□ **Challenges:**

- 1. Use Case 1 - Login:** Without a registration system, ensuring security during login is a huge difficulty. There is a requirement to securely authenticate users utilizing a static JSON file (users.json) without the ability to hash passwords or manage session tokens dynamically. Managing user sessions without a database or server-side logic can also make it difficult to track logged-in users and their permissions.
- 2. Use Case 4 - View Purchase History:** Keeping and retrieving purchase history without a backend database necessitates careful planning. The program must store this data locally or in a static file, which might cause scalability concerns as the amount of transactions increases. Implementing a user-friendly interface for viewing extensive histories may also be difficult without dynamic data management.
- 3. Use Case 5 - View things for Sale and Sale History:** For a seller, tracking current and sold things requires keeping an accurate and up-to-date inventory, which is difficult with static JSON storage. Displaying extensive sale history information, including buyer details and quantities, needs a sophisticated data management technique to avoid data inconsistencies and privacy violations.
- 4. Use Case 6: Upload an Item to be Sold.** Managing inventory changes and uploads in a static environment can cause concurrency issues, which occur when numerous sellers update information at the same time and overwrite one other's data. Ensuring that item details, including photos and numbers, are appropriately represented for customers in real time necessitates extensive logic, which static files do not natively provide.