

Final project repository link: <https://github.com/NurMazumder/computerStore>

Project requirement evaluation:

Item 1: 20%: Our website has a fully functioning GUI, but the homepage is not personalized to the user.

Item 2: 90%: Store employees can create computer builds in several categories and must adhere to certain compatibility issues (only checks are for compatible CPU/motherboard and compatible GPU/motherboard, case fit is not considered), but customers cannot modify these builds.

Item 3: 90%: Customers can file customer applications and won't be able to do customer actions until an employee validates their application. Employees can reject customers and the store owner may overrule the decision (no message is given when an employee rejects a customer).

Item 4: 100%: Customers must add to their balance at their user page to purchase, and are stopped + given a warning if their balance is less than the order cost they are attempting to place.

Item 5: 100%: Customers may instead create a build by adding the individual items to the cart. They cannot checkout if their cart contains incompatible parts. After checkout, they will be given an option to create a build if their order contains exactly one possible computer build.

Item 6: 70% Anyone can leave comments on an item at any time, and customers are encouraged to leave reviews for prebuilt computers after placing an order with them. Warnings and compliments are not issued by ratings: compliments can only be given to builds with a dedicated button. Warnings and compliments cannot be issued via customer service to any party involved.

Item 7: 100%: Customers with 3 warnings can be banned. Employees with 3 warnings are given a decrease in pay grade (pay grade is tracked via an integer, initially 0). Employees with a pay grade of -2 can be fired. Customers or employees with 3 compliments are given a coupon / given an increase in pay grade.

Item 8: 50%: Computer builds can be deleted by employees or moderators, but users cannot be given warnings for this. Top rated builds are displayed at the front page, but will not give a compliment to the creator once there.

Item 9: 100%: The language filter works as intended: bad words posted by registered users on reviews will be censored and the offender will be given the correct amount of warnings. Comments with bad language made by unregistered users will not be posted.

Item 10: 100%: Our creative feature is a search bar. It will match for any and all items with the search query in the name of the item.

Team member evaluation:

Nur Mazumder: 40%:

- Created the prototype for the current project / worked on the GUI / initialized MongoDB database
- Developed models for and worked on CRUD (create, read, update, delete) functionality for computer items, reviews, and users
- Specs:
 - Allowing visitors to freely browse the available items in the store, commenting
 - Store employee processing applications, rejection memos to owner
 - Depositing money into accounts
 - Filtering bad words and issuing warnings
 - Visitor comments with bad words are not posted
 - Customers / employees with bad words are issued warning, and filtered with *
 - Best rated builds are pushed to the top of the top page
 - Warning management, such as customers being banned for 3 or more warnings, employees being fired for 3 or more warnings

Miguel Luna: 40%:

- Developed models for and worked on CRUD (create, read, update, delete) functionality for computer builds, carts, and orders
- Specs:
 - Employees can create computer builds via menu and delete computer builds via button on build page
 - Customers can add items or builds to cart: cart will check if they have incompatible parts together and/or they are ordering a prebuilt computer
 - Customers can place orders and view them with the order number, employees can change status of orders (“Pending”, “Shipped”, “Canceled”)
 - Builds can be complimented via button, sends a compliment to the creator
 - Customer service inquiries are sent to the database

Ishtiaq Khan: 20%:

- Began project research blueprints and predevelopment, single handedly created prototype website with React JS before switching to current website using Express JS
- Initial project repository link: <https://github.com/ishtiaq-khan/computer-store>
- Specs:
 - Implemented search bar on current website

- Helped with homepage development