Team J Report

Due 5/16/23

Legend:

Green	Done
Yellow	In Progress
Red	Not Done

System demands:

1. A GUI (a local GUI or a web-based one per your own choice) with personalized behavior for different users: different types of users should be shown different web pages/layouts when logged in, and both texts/images/graphics should be part of this system.

    a. 100% completed as seen in our demo with differently rendered pages for each user type in the GUI.

2. Store employees will set up several suggested computer builds for different types of computing needs such as business, gaming, and academic for desktops, laptops, or edge computing (Raspberry PI or Jetson) which the customers can customize for each component that satisfies the hardware constraint, e.g., for an Intel motherboard the customer should be unable to choose an AMD CPU or vice versa; if the motherboard is normal size, the computer box should match.

    a. 100% completed as seen on our builds page

3. A visitor can freely browse the available items in the store without the need of logging in and can provide comments on all items. A visitor can apply to be a customer by signing up with personal information. A store employee will process the application: either approve or reject, a reject decision should have a memo for the store owner to check in case the rejected applicant protests.

    a. 100% complete as seen by the register/reject/protest pipeline.

4. All customers must deposit some money to their account, any purchase exceeding the available deposited money will be denied, and one warning is issued to the customer as reckless behavior.

   a. 100% complete as seen in our account details page.

5. For customers who choose to build a computer totally by themselves (not using the suggested configuration by the store), the system should automatically check the compatibility of different components. After finishing the transaction, the customer is given the choice of allowing the store to use this new configuration as a new suggested computer configuration.

   a. 100% complete as seen in our custom build page.

6. After making a successful purchase, the customer can rate the (1 worst, 5 best) configuration. For any configuration receiving more than 3 highest ratings and no worst ones, the employee or the contributed customer who set it up will receive a "compliment"; for more than 3 lowest ratings and no highest ones, the related party received a "warning". ~~The customer can communicate with store employees about any concerns over the purchase, and afterward, the customer can complain or compliment the employee to the store owner with justifications. The store employee can complain or compliment the customer as well, the store owner will process the compliment/complaint by issuing a possibly different number of "compliments" or "warnings" to the employee or customer, e.g., very bad behavior may receive 3 warnings to severely punish the party.~~ **Canceled**

   a. 50% completed as we were not able to integrate cross actor communication in a short time.

7. Any customer receiving up to 3 warnings will be kicked out of the system (unable to login any more, directed to see store employees in person for account closing matters when trying to login); any store employee receiving up to 3 warnings will receive a demotion, anyone with up to 2 demotions will be fired. An employee with 3 compliments will receive a promotion; a customer with 3 compliments will receive a 10% discount on the next purchase.

   a. 100% complete as seen by the discount in the custom builds section and the shopping cart.

8. Any computer configuration receiving the worst ratings will be removed, and the one who set it up (employee or customer) received one warning. Conversely, anyone receiving the best ratings will be put on the top page of the store, and the one who set it up received a compliment.

     a. 100% complete as seen by our admin panel page.

9. Any comments or communications of the system among visitors, customers, and employees should go through a language checking; words in the taboo list should be replaced by the corresponding number of *: comments from the visitor with these words will be deleted immediately and not be shown at all, whereas others will receive a warning: if more than 3 taboo words present in one message, 2 warnings will be issued, and the message is not shown.

     a. 100% complete as seen by our admin panel page and automatic filtering.

10. A creative feature accounting for 10% of the system chosen by each team is required. Check out Dell, Apple, or Lenovo online systems for insights.

     a. 100% complete by our credit card authentication and our use and ability to purchase actual scraped data/parts that have real compatibility.

Team Contribution:

- We all contributed equally and deserve the same grade. AA+