



COMP3900 Computer Science Project

Retrospective B

V-Gifts

3900-H16A-Victims

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What went well:

Since our backend and frontend now have matching progress, our website is now able to provide basic functionalities such as register, login, search, purchase and profile management.

We implemented recommendation algorithms as per our plan and used it to display the products to the users.

Used Jira more to manage our project, add some more user stories to implement and remove some user stories that are unrealistic to implement at the moment.

Frontend user interface design now is simple and clear (a better version will be delivered at the final demo).

We added about 60 sample products to the database to test web page functionality.

Retrospective A 'to try' checklist:

1. Better UI/UX design in frontend	Done
2. Authenticate users in a better way	Not Done
3. Remove unused packages in React	Done
4. Implement Chat window in frontend	Not Done
5. Better work distribution: push one member from the backend team to focus on the connection between frontend and backend	Done
6. Recommendation algorithm	Done
7. Information Retrieval from Product description	Done
8. Detect the expiration of stored tokens	Not Done
9. Fundamental Chatbot AI algorithm and learn Machine Learning and NLP for future use	Not Done
10. Use Jira more to manage project's tasks and issues efficiently	Done

Feedback from Retrospective A:

As mentioned in section “What went well”, most of our backend APIs can be called in the frontend, and we used Jira more to manage our project more efficiently. Now our web interface is clean and user-friendly, and the website’s basic functionalities are delivered. Information retrieval from product description was completed alongside with proper product recommendation algorithm, however we were putting effort into connecting the backend and frontend so chatbot system is still not yet implemented in both backend and frontend, token management also not finished, we will try to complete them in sprint 3.

What did not go well:

Didn’t finish the implementation of chatbot as we planned.

Our code style and comments could be improved.

Functions need to be grouped into clearer categories for future management.

Frontend design could provide more info to the user like login status and number of items in the cart.

Need a payment page for frontend.

Need separate product list and recommendation list in the backend & frontend.

Need to detect the expiration of stored tokens and authenticate users in a more secure way such as OAuth or Okta.

Need a feature to edit details of existing users and products.

Need a feature to allow admin to edit user order(s) state and process refund.

Things ‘to try’ in the next sprint (with assign people to do):

1. Chatbot backend. (Haoran & Chenkai)
2. Improve coding style and function modularization. (e.g., rename all variable name and reconstruct comments of functions) (Haoran & Yifan)
3. Separate product list and recommendation list in both backend and frontend. (Yifan & Jie)

4. Payment and Chatbot window in the frontend. (Pai)
5. Login status and number of items in cart in the frontend. (Jie)
6. Way to edit user and product details. (Haoran & Pai & Yifan)
7. Way to edit user order state and process refund. (Haoran & Pai & Yifan)
8. Detect the expiration of tokens and store them in a more secure way. (Haoran & Pai)
9. Fundamental Chatbot AI algorithm and learn Machine Learning and NLP for future use. (Chenkai)
10. Deploy our website to Heroku/Firebase. (All team members)

Retrospective B meeting date and attendance:

The meeting was on 13th April 3 p.m. Sydney time, all 5 members showed up in the meeting.