

# FINAL PROJECT SUMMARY

Topic and purpose:

- Generate a website helping users to plan and keep track of their spendings on shopping.
- Hope that users can better organize their expenditures by using this website as a tool for keeping track and analysis.

Instructions for the website:

- This website is divided into three part: shopping list (including the function of making budget and recording actual costs), the overview (generate a comparison between the expected expenditure and actual spending), and the spending analysis.
- Users can first add the items to be purchased and label them through priority and category. Meanwhile, the doughnut chart on the same page will perform new data representations instantly.
- When an item is purchased, users can click on the item in the left list. Then the item will be moved from the “Need to purchase” list to the “Purchased” list. Meanwhile, the website will require users to input actual spending on the object.
- On the last part of the page is the priority list. This helps users to have clearer idea on what items on the list are more urgent than others. This only keep track of items to be purchased. Once the item is purchased, it will be removed from this list.
- On the second part, the overview section displays a table and chart. The table contains general information about the spending through the comparison between actual and expected expenditure. The bar chart below display the relationship more straightforwardly and clearly.
- Finally, on the last page, Users will receive a spending analysis on their expenditure. Users will get confetti when they spend equal or less than their overall budget, or get a “virtual hug” when they spend more than expected.
- All charts across the pages allows interactions so that users can reach more detailed representation of data.

Extras used:

- Event-driven DOM Manipulation
- Web Storage (allowing the items to be remained when users jump through pages)
- Canvas rendering (the chart are created using chart.js through canvas elements)