

Deliverable 4

Team:CandyShack

Porjectname:Seapare

Teammmember:

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Overview features

Our app called Seapare is a portable device purchase guiding system. Our program covers most useful features including searching, comparing, sorting and currency exchange.

In general, most of our proposed features have been successfully implemented. The searching page has several criteria for users to select, and then leads to the result page. Users can click on a specific cellphone for more details and sort based on any of criteria they want. On the right end of each phone, there is a plus button for uses to add this phone to a compare list. They can view the differences by simply going to the compare tab.

During the development, we faced some challenges and end up giving them up due to limitations.

- Web scraping technique. At first we would like to use web scraping to scrape data from internet to our database. However, in practice the data scatters all over different websites. It is difficult to scrape them in our desired forms and we may have legal intellectual property issues. Therefore, we decided to populate our database manually.
- Auto update functionality. Since we had dropped web scraping technique, this functionality was thus meaningless and we decided not to implement it.

Status Report

- First stage

We decided on what our app was and what programming language we shall use. We designed a general architecture and submitted our proposal.

- Second stage

We divided our duties to each team member. Yunlun Wu and Quan Chan mainly take charge of front-end and collect data from internet. Yuan Yao and Xiaoyun Pang take charge of modelling and database construction component.

- Third stage

After we finished our own parts, we connected our codes via APIs all the way from back-end through database to front-end UI including all the proposed features. Then, we performed various test cases to test the stabilities of our app.

- Fourth stage

After demo, we further implemented some new features such as detailed pages, highlighting functionality and a help page.

- Final stage

After the oral exam, we were asked to implement a new feature which allows users to change currency of price. We discussed how to do it and implemented this feature successfully.

Demo Summary

Our program named “seapare” which comes from the abbreviation of “search compare”. It has search, resultList, compare, detail and helper pages. Search page is used for user to input the keyword and other specification interval. ResultList page displays the result and contains the feature connect to compare and detail pages. Compare page compares the two phones you add into the list. Detail page displays one phone specification. Helper page is used for new users.

Video: <https://www.youtube.com/watch?v=YRXUUrKxdN8>

Dev Log: https://github.com/shawn24/Caddyshack/tree/develop/dev_logs