Deliverable 4

Team:CandyShack

Porjectname:Seapare

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Overview features

Our program have implemented some features, such as search , compare and display features. And there are also some features we delete it after group discussion.

- Web scraping methods. At first we discussed about the database should be built by existing data from some reliable and comprehensive website. But when we search the phone specifications websites. We downloaded the data and check the format of data. We fount the problem is that for some websites that data are built by different formats. And the others don’t have complete and reliable information. Web scraping could conclude lots of phones. Which is not the type we want.

- Auto update method. Because this is subprogram of web scraping, we were thinking to create a method to auto update the database. But without web scraping we can’t know the new specifications in time.

Status Report

First stage:

We discussed our program is based on iOS system and Swift3 language. Yao Yuan designed database structure and app fundemental architecture with the group. Wu Yunlun designed the UI structure. Pang Xiaoyu create the entity and class inheritance. Chan Quan collected the data from websites.

Second stage:

After everyone complete their own part. We implemented the program. Chan and Wu finish the database, Yao and Pang implement the search method and call data from database. We test the program and fix the bugs in UI.

Third stage:

Complete demo presentation, we implement the rest of the feature, such as helper page(introduce the program), detail page(display all specification for each phone), highlight(the prefer specifications in compare page).

Final stage:

Add currency feature we were talking about in oral exam. Fix all bugs and prepare for final presentation.

Demo Summary

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