User Interface Architecture and Development Project (Milestone 1)

**Money Converter App**

Yongshan Tan

CSC360- 501

Professor Ken Yu

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**Use Case**

Use Case Diagram



Show current exchange rate

Input amount of default currency

Tourists

Include

Include

Show rate trend graph

Calculator for input amount

Currency convert

Output amount of selected currency

Use Case name and specification

* Exchange rate
  + By clicking exchange rate box to set the default currency and select output currency, then it will show the exchange rate in unit one base.
* Converter
  + Input the amount of default currency by using calculator, then it will show Output amount of selected currency
* Calculator
  + Use it for input amount calculation
* Rate trend
  + It shows rate trend by week, month or year

**Persona**

Yulian Yu

Yulian is Chinese immigrating. She lives in a rental house with her husband and daughter. She works in a Chinese restaurant as a Dim Sum maker. She takes train to work, and She works 8 hours per day and 5 days per week. She is good for making Chinese style Dim Sum. At home, she also practices on making American Style desserts like cake, cookies, cream pie and pizza. She’s only like cooking, she also like gardening. She likes to plant on rose, onion, and tomato.

She usually goes back to China once a year to visit her brother. She buys a lot of Chinese gifts back to her America’s friends. She also loves shop in China. So when she’s in an America, she also will shop online in Chinese stores’ website. Therefore, she usually will check the currency before shopping. If exchange rate is high, she usually considers to buy more stuffs.

Vicky Hu

Vicky is a college full time student who major in Computer Science. She usually has courses during Monday to Thursday. She likes to spend a whole day to do the homework and review the courses’ materials. She codes every day, and she likes to code on Java, Python and C++.

She has a part time job at weekend as a cashier in supermarket. She works in this job for two years long already. She lives with parents and her brother in her parents’ house. Therefore, after she pays tuition by using FAFSA, student loan and her part time salary, she usually has some extra money. And she loves shop online. She’s not only shop on location website, she also likes to shop on foreign country website. So when she visits on those foreign country website, she like to use currency convertor to calculate does those products worth to buy or not.

Jing Chen

She is a chemical engineer. She works outside of Chicago in a small town. She works 8 hours per day and 5 days per week. In her free time, she likes reading and excising. She goes to gym every day after work for one hours excising. After dinner, she usually spends half hours on reading. She also like to watch news in the morning during breakfast. She has one car, and she live in a rental house.

She is a middle class. She like to take a short trip when she has two to three days off. And when she has long term off like one to two week, she loves to take a vocation in foreign country. She had been Mexico twice in last year. She usually will have a detail plan before the trip. When she plans for her trip, she usually will check on exchange rate and rate trend, and useing currency converter to calculate the budget.

**User navigation** – see the attachments (navigation 1, navigation 2)

**External Service**

The location service will be used in this app for set the default currency and/or currency- select to.