

Currency Converter App Project Plan

Revision 6

CMSC 495 6380

June 1, 2021

Group 4

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Revision History

| Revision Number | Date | Description | Name |
|------------------------|-------------|--|----------------------|
| 1 | 5/31 | Creation of Google Doc and Outline | Roy |
| 2 | 5/31 - 6/01 | Formatting, Revision History, and Project Schedule | Stephen |
| 3 | 6/01 | Cover Page Formatted to Specifications | Stephen |
| 4 | 6/01 | Added Project Requirements Based on Discussion | Roy, Ronald, Stephen |
| 5 | 6/01 | Added System Specifications | Ron |
| 6 | 6/01 | Added Software Management | Roy |

I. Requirement Specifications

| Requirement Number | Description |
|---------------------------|---|
| 1 | This app will be able to get online updates of currency prices. |
| 2 | This app will allow the user to input the amount of currency to convert. |
| 3 | This app will allow the user to toggle what currency to convert to and from. |
| 4 | This app will throw an error if the user tries to enter negative numbers, or non numbers. |
| 5 | This app will accurately convert currency using appropriate math. |
| 6 | This app will not use more than the top 20 currencies. |
| 7 | This app will have a user-friendly GUI to support the above requirements. |

II. System Specification

Development Platform

| | |
|----------------------|--|
| OS | Windows 10 |
| Processor | Intel Core i5 4.1GHz |
| Development Software | Apache Netbeans 11.3 / IntelliJ IDEA 2020.2 / Java JDK 8 |
| Memory | 4 GB RAM |
| Storage | At least 4.0 GB of disk space |

Production Platform

| | |
|-----------|---------------------|
| OS | Windows 7 or better |
| Processor | 1.6 GHz or faster |

| | |
|---------|-------------------------------|
| Storage | At least 4.0 GB of disk space |
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III. Software Management

Version control will be handled through a repository at GitHub. The link for the project repository is:

<https://github.com/auhroy/CMSC495-Group-4-Currency-Converter>

This repository will hold all documents relating to the project, as well as all versions of the project. It is publicly accessible. Please refer to README in the repository for more information.

IV. Project Schedule

| Task | Duration(days) | Start Date | End Date | Personnel |
|-------------------------------|-----------------------|-------------------|-----------------|----------------------|
| 1) Project Requirements | <u>7</u> | <u>5/26</u> | <u>6/01</u> | |
| a) Requirement Specifications | 5 | 5/26 | 5/30 | Roy, Ronald, Stephen |
| b) System Specification | 5 | 5/26 | 5/30 | Ronald |
| c) Software Management | 5 | 5/26 | 5/30 | Roy |
| d) Project Schedule | 5 | 5/26 | 5/30 | Stephen |
| e) Group Revision | 2 | 5/31 | 6/01 | Roy, Ronald, Stephen |
| -Week 3- | | | | |
| 1) Project Analysis | <u>7</u> | <u>6/02</u> | <u>6/08</u> | |
| a) Context Diagram | 5 | 6/02 | 6/06 | Roy, Ronald |
| b) Inner Working Details | 5 | 6/02 | 6/06 | Stephen |
| c) Group Revision | 2 | 6/07 | 6/08 | Roy, Ronald, Stephen |
| -Week 4- | | | | |
| 1) Project Design | <u>7</u> | <u>6/09</u> | <u>6/15</u> | |
| a) Class Diagram | 5 | 6/09 | 6/13 | Stephen |
| b) Sequence Diagram | 5 | 6/09 | 6/13 | Roy |
| c) Pseudo Code | 5 | 6/09 | 6/13 | Roy, Ronald, Stephen |
| d) Performance Estimates | 5 | 6/09 | 6/13 | Ronald |

| | | | | |
|---|----------|-------------|-------------|---|
| e) Group Revision | 2 | 6/14 | 6/15 | Roy, Ronald, Stephen |
| -Week 5- | | | | |
| 1) Project Test Plan & ICD | <u>7</u> | <u>6/16</u> | <u>6/22</u> | Stephen, Ronald Roy Roy, Ronald, Stephen |
| a) Test Plan | 5 | 6/16 | 6/20 | |
| b) Interface Control Document (ICD) | 5 | 6/16 | 6/20 | |
| c) Group Revision | 2 | 6/21 | 6/22 | |
| -Week 6- | | | | |
| 1) Implementation and Testing (Sprint 1) | <u>7</u> | <u>6/23</u> | <u>6/29</u> | Stephen Roy, Ronald Stephen Roy, Ronald, Stephen |
| a) GUI coding | 5 | 6/23 | 6/27 | |
| b) Other Required Classes coding | 5 | 6/23 | 6/27 | |
| c) Testing | 5 | 6/23 | 6/27 | |
| d) Group Revision | 2 | 6/28 | 6/29 | |
| -Week 7- | | | | |
| 1) Further Implementation and Testing (Sprint Two) | <u>7</u> | <u>6/30</u> | <u>7/06</u> | Roy, Ronald, Stephen Roy Ronald Roy, Ronald, Stephen |
| a) Further coding | 5 | 6/30 | 7/04 | |
| b) Testing | 5 | 6/30 | 7/04 | |
| c) User Guide | 5 | 6/30 | 7/04 | |
| d) Group Revision | 2 | 7/05 | 7/06 | |
| | | | | |

| -Week 8- | | | Due Early for Peer Review (Sunday 7/11) | |
|--|----------|-------------|---|-------------------------|
| 1) Final Sprint - Delivery | <u>5</u> | <u>7/07</u> | <u>7/11</u> | |
| a) Finishing Touches | 3 | 7/07 | 7/09 | Roy, Ronald, Stephen |
| b) Update all Documents with any Changes | 3 | 7/07 | 7/09 | Roy, Ronald, Stephen |
| c) Group Revision | 2 | 7/10 | 7/11 | Roy, Ronald, Stephen |