Currency Converter

University of Maryland Global Campus

CMSC 495 7981 Current Trends and Projects

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Interface Control Document

Revision 3

April 19, 2020

**Revision Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Revision Number | Description | Revisor | Date |
| 1 | Initial Document  Revision 1 | Brandon Tennyson | April 13, 2020 |
| 2 | Revision 2 | Justin, Michael, Ayao, Brandon | April 14, 2020 |
| 3 | Revision 3  Cleaned up formatting | Justin Miller | April 17, 2020 |
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|  |  |  |  |
|  |  |  |  |

**Data between GUI and Database**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| Get Last Load Date | long | “Epoch” date in UTC. The # of seconds since 1/1/1970 | 0 |
| Get all currency codes | String [] | { “USD”,” CAD”,” EUR”,etc.}  [These come from ISO 4217:2015] | N/A |
| Get currency code description | String | “US Dollars”, “Canadian Dollars”,” Euro”,etc. [These come from ISO 4217:2015] | N/A |

**Data between GUI and Conversion**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| Convert currency | double | 0.00 - 1.7E308 | 0 |

**Data between Database and Currency API**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| Get Rates | String | [A big JSON] | Empty String |

**Data between Conversion and Database**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| Get To/From Rates | double | 0.00 - 1.7E308 | 0 |