Technology One

Test Plan for Technical-Test

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# Testing

## Synopsis

Convert Integer number into English word representation

## Solution

Use an Algorithm to slice the user-input into single digits to make it easier to convert

## Test Environment

|  |  |
| --- | --- |
| Requirement | Additional Details |
| Product | Eclipse IDE - JAVA |
| Version | v2021 - 03 |
| Required Files | TechOneTest.war |

## Test Cases

### Test Case ID: 1

|  |  |  |
| --- | --- | --- |
| Description: | Opening the webpage | |
| Pre-conditions: | Tomcat Server must be running | |
| Flow of Events: | **Actor/User** | **System** |
| |  |  | | --- | --- | | * Open a browser * Type in address bar: http:localhost:8080/TechOneTest | * Opened up Google Chrome * Navigated to http:localhost:8080/TechOneTest * 1 to One converter page showing | | |
| Comments: | Turn off any dark reader, dark themes from browser for accurate depiction of the webpage. | |

### Test Case ID: 2

|  |  |  |
| --- | --- | --- |
| Description: | Doing a normal number conversion | |
| Pre-conditions: | Must be on page: http://localhost:8080/TechOneTest | |
| Flow of Events: | **Actor/User** | **System** |
| |  |  | | --- | --- | | * Type in any number (1234) * Press Convert button for conversion | * Typed in 1234 * Result showing: ONE THOUSAND TWO HUNDRED THIRTY FOUR DOLLARS | | |
| Result: | Pass | |
| Comments: | The limit of the conversion is up to 1 million, Webpage size is dynamic and will resize to smaller window automatically | |

### Test Case ID: 3

|  |  |  |
| --- | --- | --- |
| Description: | Doing a currency format number conversion | |
| Pre-conditions: | Must be on page: http://localhost:8080/TechOneTest | |
| Flow of Events: | **Actor/User** | **System** |
| |  |  | | --- | --- | | * Type in any dollar amount with cents, make sure to separate dollar and cent by a “.” * Press Convert button for conversion | * Entered 12345.67 * Number converted to: TWELVE THOUSAND THREE HUNDRED FOURTY FIVE DOLLARS-AND SIXTY-SEVEN CENTS | | |
| Result: | Pass | |
| Comments: | Remember that cents amount cannot be above 99, anything above will automatically be changed to 99 cents | |

# Implementation

## File changes

* This test was done using Eclipse IDE and Apache Tomcat server
* Open up Eclipse IDE
* To setup Eclipse we need to first add the ability to use dynamic web projects, navigate to Help > install new software > work with: 2021-03 - <http://download.eclipse.org/releases/2021-03> > tick; Web, XML, JAVA EE … and install.
* Navigate in File > Import > Web > WAR file > Next > Browse > Find the TechOneTest.war file > Finish
* NOTE: If Target runtime is empty > New > Apache > Apache Tomcat v9.0 > tick Create a new local server > Next > Choose an Installation directory > Finish
* NOTE: Apache Tomcat can also be downloaded from their original website at(<https://tomcat.apache.org/download-90.cgi>) and setup through server tab on eclipse
* On bottom panel Servers > double click Tomcat v9.0 > make sure Tomcat admin port = 0
* On Project Explorer on left side of screen, Right Click on TechOneTest > Run as > Run on Server. This will open the project in Eclipse browser which is terrible btw so instead on Servers tab down the screen, right click Tomcat v9.0 > Start
* Now open browser > type in address bar: <http://localhost:8080/TechOneTest>
* Follow Test Plan