Team members: Derek Gorthy, Jack Dinkel, Michael Swisher

Title: BuyBack Revolution Website and Tools Development

Description: BBR is a website that will give customers pricing information on used and damaged phones. It will ask users information about their phone and, using our personal database and information from competitors, give the customer an estimate including our own purchase price.

Vision statement: To develop an industry-changing price calculator tool for customers looking to get the highest price for their used personal device.

Automated Unit Testing: The unit testing is done through a Python script using the unittest library and functions. The pricing estimate tool has several different aspects it uses to estimate the value of a phone, including the phone model, carrier, condition, age, box, frame, insurance policy, overall damage, etc. Each aspect of the pricing estimate tool is individually tested a minimum of three times to verify that the calculations are correct and the tool behaves as expected. This amounts to a total of 31 different tests, all of which are passed.

The testing code is contained in our git repository and can be downloaded or viewed from GitHub. The path to the test code from the main repository directory is:
SoftwareDevProject > Python Test Script > test.py
All the test code is stored in *test.py*. To run the test simply navigate to the *Python Test Script* directory and run *test.py* with the command:
python test.py

After the command is run, the test should run successfully and report 31 successful tests:

Version control system: Github (https://github.com/JackDinkel/SoftwareDevProject)

User Acceptance Tests: The following three pages are our three user acceptance tests.

Project Name: BuyBack Revolution

Test Case ID: Database_Access   Test Designed By: Derek Gorthy

Test Priority: High   Designed Date: 11/10/2015

Module Name: Database Login Terminal   Test Executed By:

Test Name: Verify User Can Access Database   Test Execution Date:

Description: User must be able to access company database in order to view, update, add to and delete from database

Preconditions: User must have valid log in credentials and must have knowledge of viewing/editing commands.

Test Dependencies: None

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (P/F)	Notes
1	Navigate to database location	User ID:	User credentials should			
2	Verify accredited User ID	Password:	be able to access			
3	Provide valid password		database with valid ID			
4	Verify database access		and password.			
5	(optional) verify edit ability					

Post conditions: User is validated with database and granted access to database with editing privileges. Occurrence of successful validation is recorded on server.

Project Name: BuyBack Revolution

Test Case ID: Website_Navigation   Test Designed By: Derek Gorthy

Test Priority: High   Designed Date: 11/10/2015

Module Name: Customer Website Access   Test Executed By:

Test Name: Verify Customer Can Navigation to Static   Test Execution Date:

       Price Page

Description: Customer must be able to navigate from the homepage of the website to the pricing page with minimal page loading time and can view result retrieved from user's database.

Preconditions: User must have stable internet connection in order to produce accurate navigation time.

Test Dependencies: None

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (P/F)	Notes
1	Navigate to homepage	Brand:	Customer should be			
2	Select brand	Model:	able to navigate			
3	Select model	Carrier:	smoothly through			
4	Select carrier	Capacity:	website and receive			
5	Select capacity	Price:	correct price.			
6	Record displayed price	Navigation time:				

Post conditions: Test path should be recorded to avoid same path in future testing.

Project Name: BuyBack Revolution

Test Case ID: Variable_Category_Form   Test Designed By: Derek Gorthy

Test Priority: Medium   Designed Date: 11/10/2015

Module Name: Customer Website Access   Test Executed By:

Test Name: Verify Customer Can Successfully Submit   Test Execution Date:

          Variable Pricing Form

Description: Customer must be able to submit the variable test form for broken devices and devices not on database. Form must

transferred to User.

Preconditions: User must have stable internet connection in order to produce accurate navigation time.

Test Dependencies: None

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (P/F)	Notes
1	Navigate to variable form	Damages:	Customer should be			
2	Specify damages	IMEI status:	able to fill out and submit			
3	Select IMEI status	Contact info:	variable pricing form			
4	Enter contact info	Submission receipt:	to User and receive an			
5	Submit form	Auto response time:	automated response			
6	Verify form transfer	Actual submission time:	including submission time.			

Post conditions: Record inputs of form submission in case of submission failure. Verify automated response time is accurate.