**EWaste Database User Stories**

Rahul Alex Michael Peter

1. As a frequent computer user whose computer experiences a broken part, I want to search the database by price in order to locate low-cost computer accessories, so that I can buy the necessary parts ones to replace the broken ones in my computer and save money doing so.

* For this task, our database should provide a feature to sort items based on price.
* Our database should also be able to show different model items of the same parts.
* A search filter that chooses a specific brand (or brands) to see parts only made by a particular company
* The user should be able to enter information about the device from which a part came from so others can discern if that part would be a match for them and their needs

2. As a casual technology owner looking to sell unused motherboards, I want to search the database for the maximum, minimum, and average prices of all listed motherboards so I will know what motherboards are typically worth and can sell my parts to others for the best price.

* The ability of a casual database user to add e-waste parts to the database, along with a price that they want to sell it for that is associated with it
* The ability for this casual user to check out similar items to what they are selling so they can get an idea of what it is worth
* The user should be able to enter information about themselves (what they used the device for, how long they had it) so other users have an idea of what parts match their needs

3. As someone who collects antique technology components, I want to look at a sorted list of available components to find the oldest versions of specific parts, the value, and where they came from (vendors, producers, etc.) so that I can expand my collection and curate an accurate collection of my antique technology parts.

* The ability to filter the search to show the version of the parts.
* Ability to show (maybe in the description) the origin of the parts i.e. where it came, and how old is the part.
* Highlight the fact it the part belongs to some special vendor/person. For example, a broken computer of Bill Gates that he used in the initial phase of development of Microsoft.

4. As an employee of a tech company who works with electronic devices, I want to learn what parts still function and which don’t after a device is no longer used, so that I can report what components are consistently failing so those parts can be enhanced to make future devices last longer.

* The ability to filter my search to show a particular component at a time (microprocessors, RAM, storage, graphics cards, etc.)
* The ability to filter results based on how recently items were added to the database to see a trend of what components are being added and when they’re added
* The ability to filter results based on the age of the part and see how long a certain part typically lasts across all devices

5. As a team of high school students with a low budget working on a project, we want to query the database and look for some cheap tech parts so that we can buy the cheapest available parts to assemble the computer we are building.

* For this task, our database should provide a feature to sort items based on price.
* Our database should also be able to show different model items of the same item.
* The database should be able to relate components that work well with others (microprocessor with a certain storage device and RAM) to make sure users find the right items that work with each other