Rahul Thapa, Alex Gustafson, Michael DiGiacomo, Peter Lyu

Professor Obermyer

CSC 4480-002

1 March 2019

Database Elevator Pitch

Do you keep your old devices (phones, computers, tablets) even if you don’t use them anymore? Isn’t it frustrating having to spend lots of money on a new device when you could buy a specific part instead?

We are designing a database to store information about components and devices being sold by users. Our database aims to reduce the number of electronics that are unnecessarily wasted by allowing people to salvage and share their working parts with others. From casual internet surfers and electronic enthusiasts to retailers who manufacture electronics in bulk, this database is helpful to anyone engaged with electronics. The database keeps track of all the important information regarding a specific part, such as the model, manufacturer, age, value, identification number, and compatibility with other devices. Database users can easily search, buy, and sell parts to other users. Plus, with a personalized recommendation system, our database could recommend future parts to users based on past searches and purchases. With this database, we can fundamentally change how the world manages technology and mitigate the growing amount of electronic waste in landfills.