

Jaeseok Choi  
CSCI 4243W: Senior Design  
10/1/19

### Writing #1 – Anyshare Proposal

Anyshare is seeking a grant to launch the mobile application and to locate hundreds of lockers in Washington, D.C. with the objective of encouraging people to share items with one another and thus reduce the excessive consumerism in the modern society. By creating a system of sharing any item with people nearby, Anyshare aims to minimize the needs of buying new items and to provide convenient, affordable services to consumers.

Anyshare is a mobile application that provides sharing or renting service of anything that fits into a locker. A list of acceptable items includes a drill, soccer ball, watch, gloves, or any sort of small items that are mostly being unused at homes. Here is how Anyshare works in simple steps: A landlord puts an item in one of Anyshare lockers located all around the city and updates the activity on Anyshare. Renters are then able to find the updated item on the geographical map inside the application. The app provides the location service which enables both landlords and renters to see the list of lockers and desired items closest from their location. Once a renter searches and reserves the item, the renter will receive a QR code to unlock the locker. After receiving the QR code, the renter goes to the designated locker, retrieves the item by using the code, uses it for however many hours one rented for, and returns it back. Renters are asked to add their credit card information to make payments before retrieving the items. The company then processes the payments and distributes the amount to the landlords. Landlords can 1) receive the payments or 2) collect ‘altruism’ points for being a good Samaritan if they decide to donate their items.

Although Anyshare seems to be easily implemented, few technical challenges may arise when implementing the application and there are solutions prepared. The two most frequent issues that can happen are perhaps when renters intentionally do not return the items or switch the items with different products. To ensure that users return the item, users are required to provide valid identification information as well as contact information when creating an account on Anyshare. One can become an active user once his/her identification is approved. Even if one intentionally misplaces an item, it can be tracked down with the information linked to the user’s account. Moreover, to prevent users from switching the items, a camera is installed within every locker to ensure that the returned item is the identical one. Using a complex machine learning algorithm, the camera recognizes the object and verifies its dimensions. If the machine detects any error when processing the recognition, it will send an error message automatically to the support team. Another potential problem that may occur is the malfunctioning of either cameras or locks. To maintain the quality of these technologies, the service team will patrol the lockers and report the qualitative status on a weekly basis. Although Anyshare may be faced with such technical challenges, the company would be ready to provide optimal and client-friendly solutions.

Anyshare promotes sharing within the society to encourage people to get into a habit of spending less and sharing more. As more people find value in material possessions, the modern society faces a major issue in excessive consumerism. To meet the needs of consumers, the global production rate has increased over recent years and is now threatening both the global economy and environment. There is no better time to practice sustainability and take care of the planet. Anyshare is a step towards the minimalistic lifestyle for the benefit of each other and of the world. With that said, Anyshare is now seeking to expand the size and to make sharing a new lifestyle for the betterment of planetary health. Please give us a call at 202-898-9096 if you need any further information or have any question about the proposal. We appreciate your interest and time.

Best Regards,