

Team R: Ideas for HCI Project
October 2, 2020

Danny Tran - 30027536
Noah Bensler - 30020684
Sebastien Wong - 30040657
Shamim Khalili - 30022743

Team R Portfolio

<https://sebastienwong.github.io/cpsc481teamr/portfolio/>

Team R Repository

<https://github.com/sebastienwong/cpsc481teamr>

Idea 1

What is the problem/service?

The service is a grocery list/shopping cart app that adds/removes items to your shopping list simply by scanning barcodes. When shopping it removes them from your list and calculates the total cost of the items you have scanned.

Why it is important?

It makes shopping easier. When shopping, it can be difficult to remember everything you need and a regular shopping list can be slow to use. Not only that, but if shopping on a budget it can also be difficult to keep track of the cost of all the items you've chosen. The service is trying to solve these issues in a way that is easier, quicker, and more intuitive to use than traditional shopping lists.

How you are going to solve it/ introduce it?

When you run out of a product at your house, simply scan the barcode and it adds it to your grocery list. Later when you're at the store, you can just scan the item that you are buying and it will recognize the same item was on your grocery list and check it off. It would be introduced as a much simpler yet fuller grocery list app so that you never forget the products you need. It can also be used to find coupons or other savings on products that you have on your list.

What kind of a system it will be (mobile app, website, computer software, VR application, voice commands interface, digital music instrument interface, car system UI, etc.)?

The service would be a mobile app.

Idea 2

What is the problem/service?

There are far too many streaming services, and it can be difficult to remember which service has the program you want to watch, and having to flip through several services to find the program, if it is even available. The service is a streaming service that combines other streaming services into one central hub.

Why it is important?

In a time where streaming services are the primary way to watch shows and movies, there are too many services and shows to keep track of. This service will combine them all to eliminate the complicated need to switch and search between services and greatly improve the user experience for streaming.

How you are going to solve it/ introduce it?

The service will work by combining all of the shows and movies across multiple distinct websites and apps into one easy to use service. It will simplify searching by using one central search across all platforms. It will provide recommendations based on content from all services and not just local recommendations. It can also recommend cancelling certain services if it finds that it is not being used as much as others, to help you save money.

What kind of a system it will be (mobile app, website, computer software, VR application, voice commands interface, digital music instrument interface, car systemUI, etc.)?

The service can be a website or app or computer software.

Idea 3

What is the problem/service?

Nowadays poor mental health is becoming more and more prevalent, and there aren't a lot of options for simple and accessible solutions to help better mental health. Our solution is to create an app that detects patterns and offers advice, based on daily entries and inputs given by the user.

Why it is important?

Mental health is important, and a lot of people want and need support but may not have the resources/people to help them. Our app can help simplify and give them quick access to this support.

How you are going to solve it/ introduce it?

Using daily user input of how the user is feeling / what activities the user has done, finds patterns and makes suggestions of things to do / avoid doing, with an emphasis on mental health. It will encourage activities that elicit positive reaction, and discourage activities that elicit negative reactions. It can also offer quick access to available resources and links based on the users current state of mind.

What kind of a system it will be (mobile app, website, computer software, VR application, voice commands interface, digital music instrument interface, car systemUI, etc.)?

The service would be a mobile app.