Feasibility Report

Product

The No Kill Louisville Pet Food Bank App will serve the pet food bank as a main point of access during the check in and check out process of operations. The bottleneck that it will ease is reducing the paperwork that is required to serve pet owners. It will also reduce the interaction that volunteers have with them. Pet food will be distributed faster and less time will be spent on paperwork or figuring out who is coming for what.

Technical Feasibility

We plan to use API's to allow our product to work with their database. This will make it easier to design a product that fits their needs. We have a number of programming languages we can use such as Java. We will create a UI that is simple and easy to use.

Social Feasibility

Users should be able to pick it up easily. Typically, users are trained before they start to use the application. This application makes it easier for workers to make sure all potential customers are signed in and signed out. As mentioned earlier I propose all users be trained on the app before being used to make the transition smooth.

Economic Feasibility

The running costs are not a main concern as the organization already had a website built for the purpose of our app. The main development cost will be on developing a mobile interface using the API that is already in-place. The main economic benefit will be the increased accessibility leading to increased pet owners picking up pet foods.

Market Research

Our main customer is No Kill Louisville that needs the app to allow people with low income to get dog food once per month. Because our product is made for one organization specifically, we don't need to worry about marketing the product. Our concern is making sure the app is usable to the people signing up for dog foods. Since they are generally low income, the app would need to accommodate low-spec phones.

Alternative Solution

An alternative solution to making an app for the check in and check out process would be to improve on the current webpage. Pet owners and volunteers could log in on the current webpage to have all of the same conditions that they would otherwise have on the app.

Project Risks

Some of the risks associated with this project might be:

- Unmet expectations: the app does not deliver exactly what the pet food bank would like to have.

- Budget issues: we would like to keep this as free as possible because the pet food bank runs on charity. This is why we are going with the already in palace APIs for the website and tailoring our app to their needs so that we do not accumulate more costs.

- Broad plan: Not spending as much time and not drafting a specific plan for the design of the app.