**Feasibility Study and Project Plan**

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| Course | CIS 4911 |
| System | (IBM) Track and keep score of and compute a group's sustainability efforts |
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# Overview

The main goal of the project is to develop a software application which entices people to recycle and keeps track of their efforts. The application will also have a “competitive spirit” built in, which means that recycling efforts will be compared against other registered users and groups. Users who excel in recycling will be provided some sort of reward in order to entice them in continuing the recycling behavior.

# Introduction

## Problem Definition

Currently, there is no software application that tracks peoples recycling efforts. We want to build an application that tracks recycling efforts.

Since recycling and keep track are completely voluntary we also want to build in some sort of reward aspect into the application, to entice people to keep track of their efforts.

## Background

Our clients, FPL and IBM, want to increase recycling efforts and awareness. The want to build a platform that validates, tracks and rewards recycling initiatives. They not only want to do this at the individual level, but also at the corporate, community and college levels.

## Definitions, Acronyms, and Abbreviations

## Overview of document

# Feasibility Study

## Description of Current System (Limitations and Constraints)

There are previous versions of this system. This project will be the initial code base of the system.

## Purpose of New System

* Track recycling efforts.
* Compare recycling efforts between users and groups.
* Reward users who excel at recycling.

## High-level Definition of User Requirements (must include security/privacy requirements)

* Track recycling efforts based on some sort of point system.
* Create a game aspect by which users are rewarded by being singled out publicly for their efforts, and/or they gain extra access to the application based on their points.
* Allow users to be assigned to groups, such as communities, companies and/or colleges.
* Users should be able to compete between all registered users.
* Users should be able to compete under groups.
* There should be some validation of the recycling effort. There should be some sort of way to track that they actually did recycle something.

## Alternative Solutions

We did a brief analysis of the market and have found no alternatives.

### Description of Alternatives

### Selection Criteria (Briefly describe the feasibility criteria used in the analysis component)

### Analysis of Alternatives (refer to Appendix C – Feasibility Matrix) – you should provide a score so that the alternatives can be compared.

### Recommendations

# Project Plan

## Project Organization

### Project Personnel Organization

### Hardware and Software Resources

## Identification of Tasks, Milestones and Deliverables (work breakdown)

* Planning and Analysis

# Appendix

## Appendix A - Project schedule (Gantt chart or PERT Chart)

## Appendix B – Feasibility Matrix

## Appendix C – Cost Matrix

## Appendix D - Diary of Meetings

# References (you should reference any work that is not your own)