**Functional Requirements** of the *Recycling Promotion System*:

**1.1** The user must be able to locate his current location on his device when enabled.

**1.1.1** If the user is unable to locate his current location on his device, he should be able to enter his

location.

**1.2** The system must locate the nearest Recycling Bins to the user, based on his location

detected/inputted into the system.

**1.2.1** The system must convert the user’s input address to usable coordinates that can return a pinpointed value.

**1.2.2** The system must display the located nearest Recycling Bins via a zoomed-in map of the user’s

location and drop pins over the location of each Recycling Bin.

**2.1** The system must provide a warning to the user, on the type of items recyclable.

**2.1.1** If the user is unsure if his item is recyclable after the warning, the user must be able to scan his

object.

**2.1.2** The system must be able to suggest whether it is recyclable.