

WASTE MANAGEMENT PROTOTYPE

1.0 INTRODUCTION TO COMPANY

We are a Non-Governmental Organisation (NGO) that is planning a campaign to educate people in the UK on how to recycle based on the UK recycling regulations. Part of our campaign will include an interactive game for users to test their knowledge on what can and cannot be recycled.

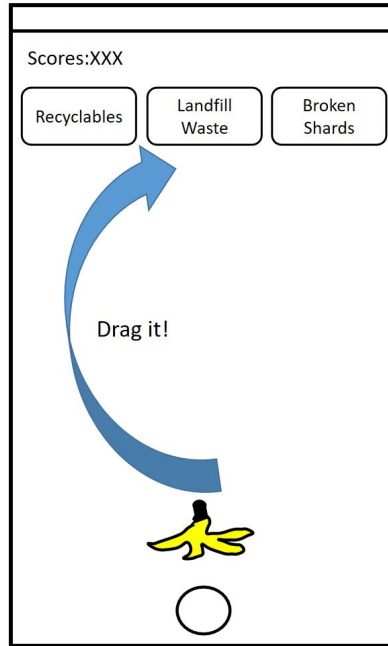
2.0 INTRODUCTION TO PROJECT

The aim of the project is to create a game with an educational purpose that can be played by users of various ages. It is believed that the game will help the population to better know the recycling rules. The game has an incentive in the form of rewards to increase participation.

For more information on what can and cannot be recycled, please read this file:
<https://wrap.org.uk/sites/default/files/2020-09/WRAP-Recycling%20guidelines%201.9.pdf>
<https://www.thurrock.gov.uk/household-waste-and-recycling/what-goes-in-your-bins>

3.0 REQUIREMENTS OF PROJECT

- There are 3 types of recycling bins and they are: Recyclables, Landfill Waste and Broken Shards
- Users do not have to create an account to start the game.
- It will be a plugin on our Website, not a mobile application.
- The game will start with different types of wastes appearing at the bottom of the screen, and users will have to drag and drop them into the correct classification of waste. Sample of wastes are available in Table 1 below.
- Users will have thirty seconds to sort as much waste as they can. Once the timer is up, the total score will be calculated.
- Users get 1 point for each correct classification. 0 points for incorrect classifications. Prizes are summarised in Table 2.
- At the end of the game, users are asked if they would like to make a donation to the NGO in support of reducing plastic waste



No.	Recyclables	Landfill Waste	Broken Shards
1	Wine Bottles	Mirrors	Broken Glass
2	Drink Cans	Crisp/Chips Packets	Used Needles
3	Newspapers and Magazines	Used Paper Towels	
4	Egg Boxes	Toothpaste Tubes	
5	Plastic Trays	Used Baby Napkins	
6	Tea Bags	Flower Pots	
7	Telephone Directory	Sticky Notes	
8	Envelopes	Wallpaper	
9	Biscuit Tins	Cotton Wool	

Table 1: Different Types of Wastes and Their Classification

Points	Prize
<5	Ask the user to read our website to know more about recycling
6-10	10% off voucher from The Eco Shop UK
11-15	Free Eco-Friendly Bookmark
16-20	Free Eco-Friendly Pen
>20	Free Eco-Friendly Tote Bag

Table 2: Prizes Based on No. of Points Obtained

4.0 DELIVERABLES

- Interactive prototype on Invision, AdobeXD or any prototyping platform that is agreed upon with a minimum of 10 screens depicting the game flow from start to finish. This is a guide only:
 - Screen 1: Game Splash Screen
 - Screen 2: Game Start Screen
 - Screen 3: Tutorial of Game
 - Screen 4: Tutorial of Game
 - Screen 5: Game Play 1
 - Screen 6: Game Play 2
 - Screen 7: Game Play 3
 - Screen 8: Game Play 4
 - Screen 9: Game End
 - Screen 10: Prize Screen
- Upon receipt of requirements, for a first draft to be submitted within 2 working days where comments will be provided for revision.
- Upon receipt of revision requests, the final draft to be delivered within the next 2 working days. Total of 4 working days from start to finish.
- Payment will be released upon completion of the project.