

## Final project Brief

### 1-the goal and description of project.

Recycling is the process of collecting and treating materials that are disposed of as garbage and converting them into new products that can be used again.

Recycling can benefit your community and the environment.

The project is to recycle materials such as plastic, metals and paper. The project aims to preserve the environment from pollution, such as Burning materials instead of recycling them. Thus, the idea of the project came to spread the culture to the community and everyone maintains the environment.

And the way to use the site is every person in the community who can contribute to the preservation of the environment from pollution can create a free account

And it sends a request to recycle some of the consumed materials such as plastic, metal or paper according to the type and quantity of these materials

Then a representative from the company will contact him and coordinate an appointment to take the materials from the person himself and give him a set of points instead On his personal account

And when you collect the most points, he can exchange them for one of the offers on our site.

### 2- technologies and languages.

The languages used in the project are:

1- **HTML** (Hyper Text Markup Language) is the standard markup language for web page and elements are the building blocks of html pages and elements are represented by <> tags.

2- **Css** (style cascading sheet) is describes how HTML elements are to be displayed on screen and allows to create great-looking web page.

3- **Bootstrap** is the most popular CSS Framework for developing responsive and mobile-first website.

4- **JavaScript** is the Programming Language for the Web and can update and change both HTML and CSS and can calculate, manipulate and validate data.

5- **React Js** is a javascript library created by facebook and is a User Interface(UI) library and is a tool for building UI Components.

6- **Node.js** is a cross-platform runtime environment that allows developers to create all kinds of server-side tools and applications in JavaScript.

7- **Express** is the most popular Node web framework, and is the underlying library for a number of other popular Node web frameworks.

8- **mongoDB** is a document database with the scalability and flexibility that you want with the querying and indexing that you need

### 3- the main features in the project.

- There are two types of users:

1- The user can add materials such as type and quantity to be recycled and he can execute the CRUD operation.

2- The admin can view all users who have submitted a material recycling request and can add offer or delete offer in offers page.