



# WAY2RECYCLE

Together towards a sustainable future

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## **1 Description**

### **What's the problem?**

The products used by people are thrown away on a regular basis, which contains toxic chemicals. The products end up in landfills or incineration, which pollutes the air and the water hugely. Studies reveal that methane is emitted from landfills and is multiple times potent than carbon dioxide, thereby known as a powerful contributor to our contemporary environmental crisis.

Environmental wastes constituting both organic and inorganic materials that are derived from homes and industries go directly to landfills. Now, proper managing the landfills will result in the production of methane and other greenhouse gases, which has tremendous utilities. These gases contribute to global warming and other environmental hazards, but if managed effectively, they can also serve various useful functions

### **Solution**

Managing waste reduces our reliance on landfills while also significantly cutting down the many factors that adversely impact our environment.

When waste is managed the right way, it doesn't merely eliminate the subsequent waste but also reduces the impact and the intensity of harmful greenhouse gases like carbon-di-oxide, carbon mono-oxide, and methane that are often exuded from accumulated wastes in landfills.

Waste management is all the activities and actions required to manage waste from its inception to its final disposal. This includes amongst other things, collection, transport, treatment and disposal of waste together with monitoring and regulation.

It also encompasses the legal and regulatory framework that relates to waste management encompassing guidance on recycling etc. Collecting all our unwanted electronic devices, Fabric waste, Glass waste, and having them properly recycled will have a positive impact on the environment, as well as improve the lifestyle of many individuals.

### **How can the technology work?**

Through Web application, we can collect the wastes from different areas where corporate companies and apartments are located (such as Glass waste, Fabric waste, e-waste etc..) and give to recycler companies.

### **Our Idea:**

We are developing Way2Recycle website to connect the waste producer to waste recycler in a quick and easy way

In Way2Recycle website, individual/corporate/society can sell or donate their dry waste (such as paper, metal or plastic or e-waste) and waste dealer will buy through this website.

Individual/Corporate/Society navigates the website and updates the waste item they are interested to donate or sell.

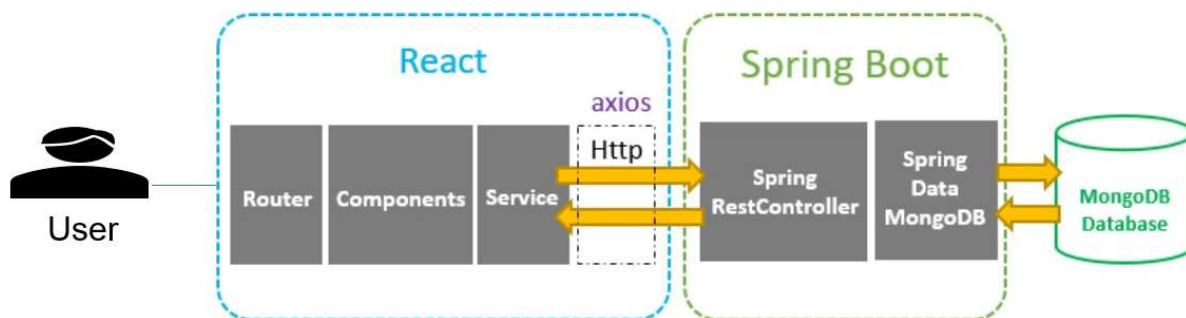
Dealers will subscribe the website for the waste material they are interested to take.

## 2 Demo Video

Please find the demo video in the following link:

<https://youtu.be/7zxT7NbBaMg>

## 3 The Architecture & Navigation



- The User (corporate or society) navigates to the web application, enters the type of waste available.
- Once user enters details about the waste, the procurer will get the notification from the application.
- Once procurer accepts the notification, he will schedule the pickup of waste from the user.

## 4 Built with

- React Js
- Axios
- Spring Boot
- Mongo DB
- IBM cloud