Synopsis

on

WASTAGE SOLUTION

Submitted by

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ABSTRACT

"Get useful out of your daily waste" - Our purpose of creating this project is to provide humans useful out of waste that would actually be a part of Clean India, Green India. Waste like plastic packets, chips packets, electronic items, etc., that is usually thrown on public places, would be part of our website. Global users would be asked to submit the waste items to our team, which could be reused and recycled and on the basis of that, we would provide them with shopping coupons.

In this we would provide a service in which the people can register with essential details and can login after that. After that they can select the categories of wastage and submit it.

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Introduction

We aim to provide solutions for wastage in E-fashion. The goal is to reduce the wastage in a modern manner on fingertips.

In this we would provide a service in which the people can register with essential details and can login after that. After that they can select the categories of wastage and submit it.

One of our garbage collectors will reach the location and directly take it to the landfills and in landfills we will get money on market price, which further will be used to send the coupons of different shopping and commercial sites.

The basic idea is to connect all the nearby wastage and provide it to the garbage collector so that there will be less chaos on the roadside and we will provide a reward coupon to them.

Collector : There will be a group of people who will collect the garbage to their respective locations and take it to the landfills.

User : User can register and provide the details of their wastage with following categories mentioned on the site .

Supervisor : The admin as a supervisor can view the total no of actions performed on all the modules .(Number of coupons sold, number of wastage thrown, total money earned etc).

Technologies

- Technologies:
    - HTML
    - CSS
    - JAVASCRIPT
- Framework
    - REACT
    - SPRING
    - BOOTSTRAP

Software Requirement Specifications

Software Requirement for development -

- System Software -
  - Operating System (Windows XP or Above)
  - Server (TOMCAT Server)
- Application Software -
  - Database (MySQL)
- Web Technologies -
  - HTML5 & CSS3
  - Bootstrap
  - Javascript(jQuery)
- Frameworks -
  - React
  - Spring
  - Bootstrap

Software Requirement for User -

- OS : Windows XP or above
- Web Browser : Microsoft Edge or others

Hardware Requirement Specifications

Hardware Requirement for development -

- Input Devices - All basic input devices like keyboard, mouse, etc.
- Output Devices - All basic output devices like printer, monitor, etc.
- Secondary storage devices -
    - HDD - 60GB or above.
    - Back-up - Flash Drive, CD/DVD, cloud storage etc.
- Internal components -
    - RAM - 512 MB (Minimum)
    - Processor - Intel Pentium 4 Processor or above

Hardware requirements for User -

- Input Devices - All basic input devices like keyboard, mouse, etc.
- Output Devices - All basic output devices like printer, monitor, etc.
- Stable and secure Internet connection.
- Secondary storage devices -
    - HDD - 60GB or above.
- Internal components -
    - RAM - 256 MB (Minimum)
    - Processor - Intel Pentium dual core Processor or above

Modules

1. Admin Module

   In an admin module, the owner(admin) will be able to access the following feature :

   - Can Add/Edit/Read/Delete/Ban user's accounts.
   - Can Add/Edit/Read/Delete/Hold Request.
   - Have the union of all the authorities present in any other module.

2. User Module
   - Customers can Add/Edit/Delete personal information about them.
   - Can search for categories.
   - Can request for wastage collection and further they can monitor their request.
   - Can leave comments and ratings for the service available on the website.

3. Payment Module
   - If user
   - Ask for different types of payment methods users have to choose from before completing the transaction.
   - Accepts the User Id and payment details and performs a bank transaction between User and admin, simultaneously producing an Invoice number.

4. Login and Registration Module
   - Registration : Ask for various required fields depending upon who's registering(either Supervisor, user etc.) validates it from server side script, and if successful registers the user and if not revert back to registration page for re-submission of the form.
   - Login : Will match the credential and login.

Report Generation

The system will generate reports for following modules separately -

- Admin Module :
  - List of Registered Users.
  - List of categories online on website.
  - An intuitive daily report regarding traffic and wastage registered on the website.
  - Weekly report about coupons issued.
  - Feedback from users.
- User Module :
  - Request Tracking Reports.
  - Invoice reports (if donated).

Conclusion

Waste management can be defined as the "Collection, removal, processing, and disposal of materials considered waste". Waste can be put into landfills, incinerated, recycled, or composted. The most sustainable way to manage the waste is to recycle and compost.

In our project, we looked onto the wastage disposal management methods, after the completion of this project there will be drastic change in nearby locality because here we will provide a feature that a user can mention their wastages following with categories, on the other hand we as a supervisor we will send a garbage collector on that locality and in return we will provide a **coupon** of various shopping and groceries site.

Now those people who were throwing the garbage on the street now will intentionally use our site to get the coupons.

After collecting a few amounts of garbage we will send all the garbage to the selected landfills directly.

This project will lead to a clean society and follow the step of our government scheme **"Swachh Bharat Mission"** .

Gantt Chart (In terms of weeks)