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Department of Computer Science

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CSC 2210 Object Oriented Analysis and Design (OOAD)

Section: B
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The Waste management System

An Object-Oriented Analysis and Design (OOAD) project submitted
By

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The Waste management System

Motivation & Background Study:

Waste is a significant global issue. Increasing volumes of waste are being generated as the global population and living standards rise.

To solve this problem we have come up with a great idea "The Waste management System" is a way to recycle daily waste to our highest benefits, ensuring a healthy environment and a friendly eco-system. Through this system the public has to first login which requires verification. The objective is to buy and sell waste (inorganic or organic) which can be used to produce eco friendly products. By logging in, pubic can sell waste and buy eco friendly products and can check the product details and buyer can buy waste and sell eco friendly products which are recycled from waste. If the desired product is available public and buyer can buy products through preferred multiple transaction policy like Bkash, cash on delivery, credit or debit. Buyer delivers the cart to the precise location or collects waste and receives the money if cash on delivery. Also, people can review and write social awareness blog.

Requirement Analysis:

1. **User Category:**

There are 2-types of Users here. They are:

- Public
- Buyer

2. **Feature List:**

In this project the "Public" has the following features:

- Login
- Search for items
- Sell waste
- Payments
- Buy eco-friendly products
- Review products
- Write blogs

In this project the "Buyer" has the following features:

- Login
- Buy waste
- Payment
- Sell eco-friendly products

Design:

Draw an entity diagram of your project here.