

USER MANUAL

CSC584 ENTERPRISE PROGRAMMING

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS UNIVERSITI TEKNOLOGI MARA



Project Title	EcoSync (Eco-cycle Hub System)
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1.0 Introduction

Welcome to EcoSync, your dedicated partner in building a more sustainable. EcoSync is more than just an eco-cycle management system; it's a community-driven initiative designed to revolutionize recycling practices within our beloved town. We understand that environmental consciousness is growing, and we believe that making sustainable choices should be both convenient and rewarding. That's why we've developed EcoSync – to enhance and simplify recycling practices, providing seamless engagement and tangible rewards to encourage sustainable behaviours right here in Ampang Jaya.

This manual will guide you through using the platform effectively, with a special focus on the 'USER POINTS' system, which is tailored to benefit our local community. As you can see on the screen, this system allows you to track your recycling efforts, earn points, and redeem them for exciting rewards at participating businesses right here in Ampang Jaya. We've partnered with local cafes, shops, and services to ensure that your commitment to recycling directly supports our local economy.

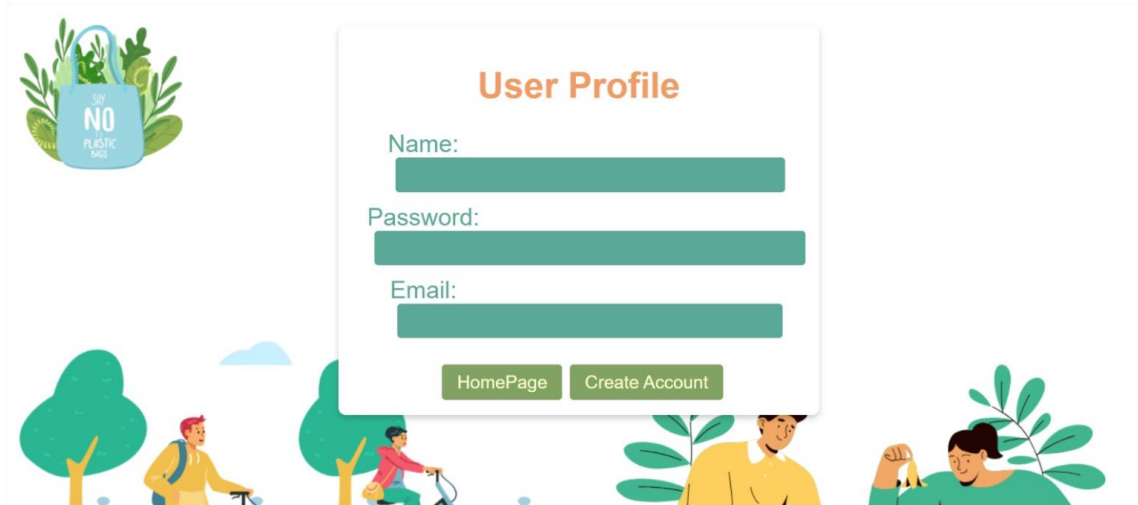
By participating in EcoSync, you're not just recycling; you're contributing to a cleaner, greener, and more vibrant Ampang Jaya for generations to come. Let's work together to make a positive impact on our environment, one recycled item at a time.

2.0 Getting Started

2.1 Signing Up

1. Open the EcoSync application.
2. Click on the Sign Up button.
3. Fill in your details, including name, email, and password.
4. Submit the form to create your account.

Appendix 1: Create Account



The image shows a 'User Profile' form overlaid on a background illustration. The background features a blue tote bag with 'NO PLASTIC' written on it, surrounded by green leaves. Below the bag, there are illustrations of people engaged in eco-friendly activities: a person with a backpack, a person on a bicycle, a person in a yellow shirt, and a person holding a plant. The form itself is white with a light green border and contains the following fields and buttons:

User Profile

Name:

Password:

Email:

[HomePage](#) [Create Account](#)

2.2 Logging In

1. On the home screen, click Login.
2. Type your Username: Put your username in the first box.
3. Type your Password: Put your password in the second box.
4. Click “Log In”: Press the green “Log In” button.
5. If you don’t have an Account: Click “Create Account” to sign up.
6. If you forgot your Password: Click “Forgot Password” to reset the password.

Appendix 2: Login Page



2.3 Forgot Password

1. If you cannot log in, click Forget Password on the login page.
2. Enter your registered email to receive a password reset link.
3. Follow the instructions in the email to reset your password.

Appendix 3: Forgot Password Page

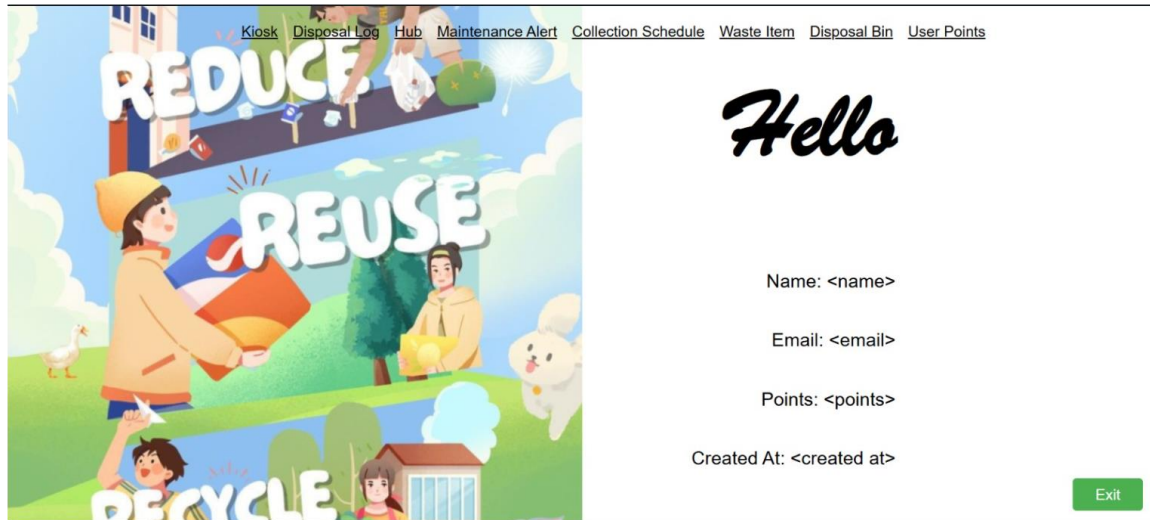
The image displays three sequential steps of a password reset process, each in a white card with a green button, set against a light orange background. Step 1, 'Forgot Password', features a key icon and asks for an 'Email Address' to receive a verification code. Step 2, 'Verify Your Email', features a checkmark icon and asks for a '4 Digit Code' sent to the email. Step 3, 'Create New Password', features a lock icon and asks for a 'New Password' and a 'Confirm Password' to be saved.

3.0 Using EcoSync

3.1 Homepage

After logging in, you will be directed to the homepage. The homepage displays options for recycling categories, points summary, and other features.

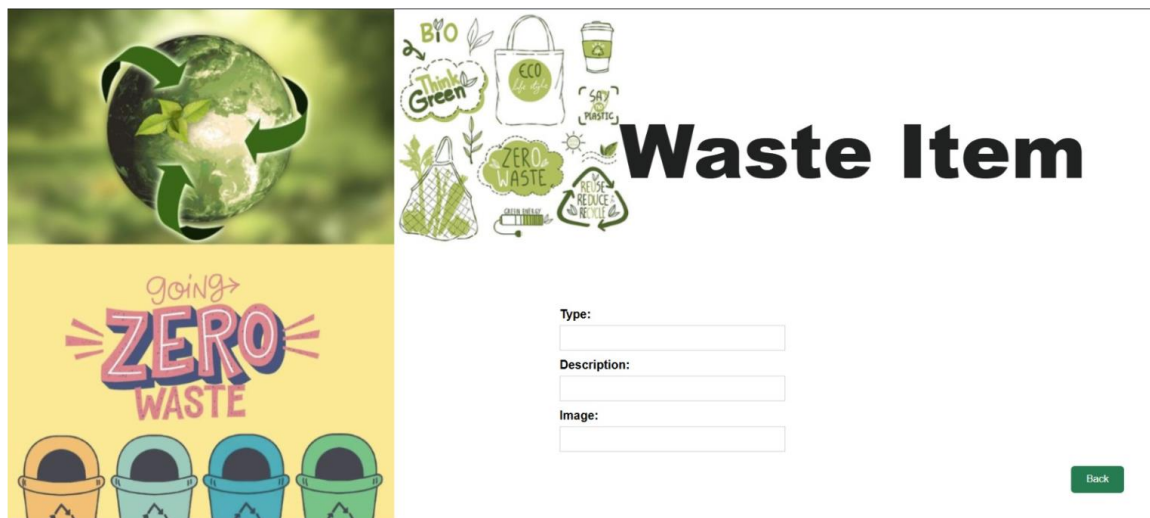
Appendix 4: Homepage



3.2 Recycling Categories

1. Click on Choose Category to view available recycling options.
2. Select a category to see specific waste items, their descriptions, and images.

Appendix 5: Recycling Categories



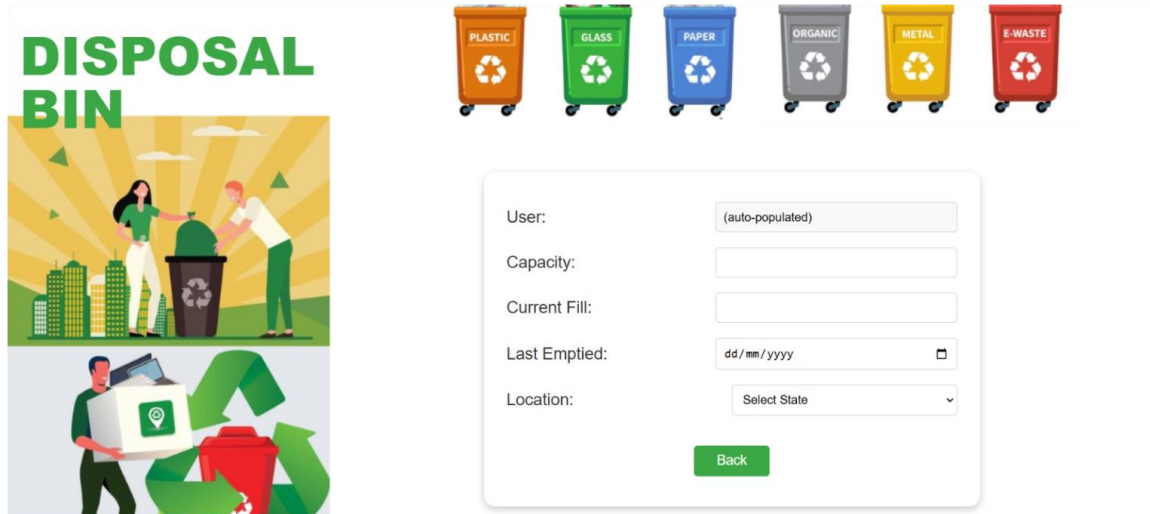
3.3 Disposal Bin Management

View nearby kiosks and disposal bins using the Nearby Kiosk Locator.

Check the fill level and location of each disposal bin.

Updates on maintenance alerts and bin resets will be displayed automatically.

Appendix 6: Disposal Bin



DISPOSAL BIN

PLASTIC GLASS PAPER ORGANIC METAL E-WASTE

User: (auto-populated)

Capacity:

Current Fill:

Last Emptied: dd/mm/yyyy

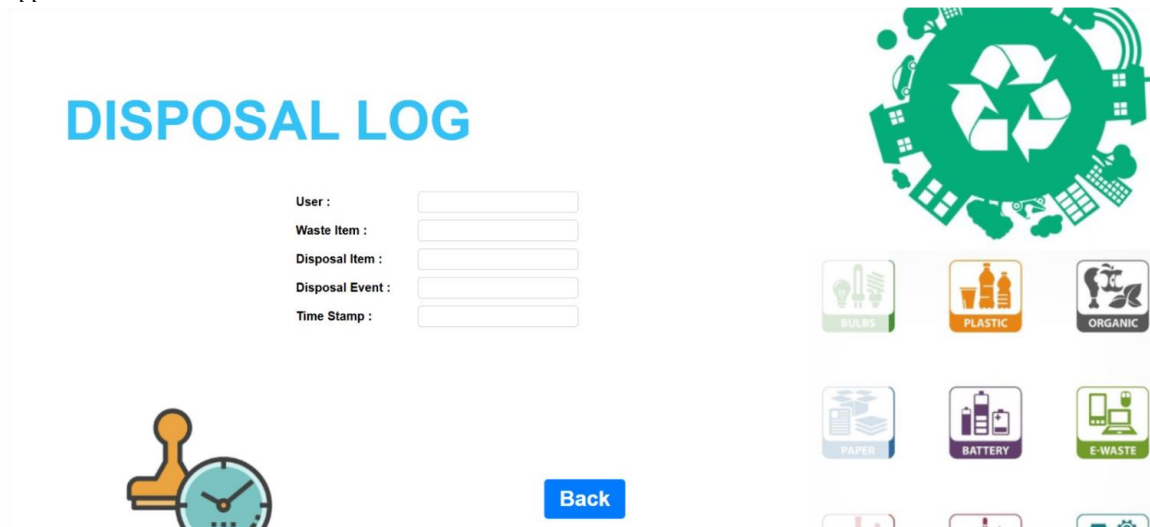
Location: Select State

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3.4 Logging Recycling Activities

1. Dispose of recyclable items at designated bins.
2. Use the EcoSync app to log your activity.
3. Your points will update automatically based on the disposed items.

Appendix 7: Activities



DISPOSAL LOG

User :

Waste Item :

Disposal Item :

Disposal Event :

Time Stamp :

BULBS PLASTIC ORGANIC

PAPER BATTERY E-WASTE

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3.5 Points and Rewards

1. Click on Points History to track your recycling history and points earned.
2. Redeem points through the Redeem Points feature for exciting rewards.
3. Points will update after each redemption.

Appendix 8: Points and Rewards



The graphic on the left features a green recycling bin with a globe on top, surrounded by gift boxes and a recycling symbol. Below it, the text 'Recycling Rewards' is displayed next to a recycling symbol and a stack of gold coins.

USER POINTS

Points History:.....

Redeem:.....

Rewards:.....

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4.0 Advanced Features

4.1 Maintenance Alerts

Notifications will inform you of maintenance activities, including disposal bin resets. Ensure bins are available for use after alerts are resolved.

Appendix 9: Maintenance Alert



The graphic on the left shows a 3D character in a blue uniform holding a red wrench, standing next to a green recycling bin. Below this, there is a blue recycling bin with a red arrow and a paw print, and a blue recycling bin with a red arrow and a paw print. At the bottom, there is a blue recycling bin with a red arrow and a paw print, and a blue recycling bin with a red arrow and a paw print.

Maintenance Alert

Disposal Bin:

Alert Type:

Alert Time:

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4.2 Collection Schedule

View collection schedules for disposal bins to plan your recycling activities. Schedules are updated regularly in the app.

Appendix 11: Collection Schedule

COLLECTION SCHEDULE



Disposal Bin:

Collection Date:

Frequency:

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5.0 Frequently Asked Questions (FAQs)

Q1: How do I locate the nearest recycling kiosk?

A: Use the Nearby Kiosk Locator on the app. It will display kiosks near your location.

Q2: What should I do if I can't redeem points?

A: Ensure you have enough points for the desired reward. Contact support if the issue persists.

Q3: Can I track my environmental impact?

A: Yes, your activity log provides insights into your contributions.

Q4: What types of materials can I recycle with Eco Sync?

A: We accept plastic, glass, paper, metal, organic waste, and e-waste. Please refer to the bin labels or our app for specific guidelines.

Q5: How do I earn points?

A: You earn points by properly disposing of recyclable materials at designated Eco sync bins. Points are automatically added to your account.

Q6: How can I check my points balance?

A: You can check your points balance through the Ecosync mobile app or at an Ecosync kiosk.

Q7: How do I redeem my points?

A: You can redeem your points for rewards through the Ecosync app or at participating local businesses

6.0 Support and Feedback

For assistance or to provide feedback, contact us via:

- Email: support@ecosync.com
- Phone: +1-800-123-4567

Thank you for choosing EcoSync. Together, we can create a greener future!