# Document Information

- **Title**: CanDo Waste Solutions Storyboard & Documentation
- **Student**: Monique Thomas-Bent
- **ID#**: 2204814
- **Course**: CIT2011 Web Programming
- **Assignment**: IA#2
- **Filename**: storyboard-2204814.pdf
- **Date**: [November 21, 2025]

**CanDo Waste Solutions - Web Application Storyboard**

**Student Details**

| **Information** | **Details** |
|---|---|
| **Student ID** | 2204814 |
| **Full Name** | Monique Thomas-Bent |
| **Assignment** | IA#2 Semester 1 AY 25–26 |
| **Class Schedule** | [Insert Day/Time of Class] |
| **Module Name** | Web Programming |

| Information | Details |
| --- | --- |
| **Module Code** | CIT2011 |

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**Business Overview**

**Company Description**

CanDo Waste Solutions is a modern, technology-driven waste management company serving Jamaica. We provide reliable residential and commercial waste collection services with a strong focus on environmental sustainability and community development.

**Logo**

**Design**: Modern truck icon with clean "CanDo" typography

**Concept**: Represents mobility, reliability, and environmental responsibility

**Colors**: Green and orange color scheme reflecting our eco-friendly and energetic approach

**Slogan**

*"Reliable. Eco-focused. Community-first waste management across Jamaica."*

**Mission Statement**

"To deliver reliable, effective, eco-friendly, and community-centered waste management services across Jamaica using innovation and professional standards that create cleaner, healthier communities."

**Vision Statement**

"To be Jamaica's leading tech-enabled waste management company, known for exceptional customer experience, continuous innovation, and environmental responsibility that sets new industry standards."

**Core Values**

- **Committed**: Dependable service you can count on
- **Capable**: Skilled, professional teams
- **Credible**: Transparent and trustworthy operations
- **Community-focused**: Serving Jamaican neighborhoods with care

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**Website Sitemap**

text

```
HOME PAGE
│
├── SERVICES
│   ├── Residential Garbage Pickup ($1,500/month)
│   ├── Commercial Waste Management ($4,000/month)
│   ├── Recycling Solutions (Free with service)
│   └── Special Pickup Requests ($2,500/request)
│
├── ABOUT US
│   ├── Company Mission & Vision
│   ├── Our Team
│   └── Student Information
│
├── CONTACT
│   ├── Contact Form
```

```
│   ├── Service Area Map (14 Parishes)
│   ├── FAQ Section
│   └── Business Information
│
├── USER ACCOUNT
│   ├── Registration (9-field form)
│   ├── Login
│   └── Password Recovery
│
└── TRANSACTIONS
    ├── Request Service
    ├── Shopping Cart
    └── Checkout Process
```

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**Wireframe Layouts**

**Mobile Layout (600px+)**

text

```
┌──────────────────────────────────────┐
│        [CANDO LOGO]                  │
│   Reliable Waste Solutions           │
├──────────────────────────────────────┤
│  ☰ Menu                              │
│  ──────────────────────────────────  │
```

```
│ [HERO IMAGE]                  │
│ Waste Management Made Easy    │
│ ──────────────────────────────── │
│ [Service Card]                │
│ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ │
│ 🏠 Residential                │
│ Starting at $1500/month       │
│ ──────────────────────────────── │
│ [Service Card]                │
│ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ │
│ 🏢 Commercial                 │
│ Starting at $4000/month       │
│ ──────────────────────────────── │
│ [Testimonial]                 │
│ "Great service!" - Customer   │
│ ──────────────────────────────── │
│ © 2025 - Student ID: 2204814  │
└──────────────────────────────────┘
```

**Mobile Div Structure:**

html

```html
<div class="mobile-container">
  <header class="mobile-header">
    <div class="logo">CanDo</div>
```

```
    <nav class="mobile-nav">☰</nav>
  </header>

  <main class="mobile-main">
    <section class="hero-mobile">
      <img src="hero-mobile.jpg" alt="Waste management">
      <h1>Waste Solutions</h1>
    </section>

    <section class="services-mobile">
      <div class="service-card-mobile">...</div>
      <div class="service-card-mobile">...</div>
    </section>
  </main>

  <footer class="mobile-footer">...</footer>
</div>
```

**Desktop Layout (950px+)**

text

```
┌──────────────────────────────────────────────────────────────────────────────────────────────────────┐
│ [LOGO] CanDo │ Home │ Services │ About │ Contact │
├──────────────────────────────────────────────────────────────────────────────────────────────────────┤
│                                                                                                      │
│ ┌──────────────────┐  ┌──────────────────────────────────────────────────────────────────────────┐ │
│ │                  │  │                                HERO TEXT                                 │ │
│ │   HERO           │  │                                                                          │ │
│ │   IMAGE          │  │                    Reliable waste mgmt                                   │ │
│ │                  │  │                [Get Started Button]                                      │ │
│ └──────────────────┘  └──────────────────────────────────────────────────────────────────────────┘ │
│                                                                                                      │
├──────────────────────────────────────────────────────────────────────────────────────────────────────┤
│ ┌──────────────┐ ┌──────────────┐ ┌──────────────┐ ┌──────────────┐ │
│ │ Service      │ │ Service      │ │ Service      │ │ Service      │ │
│ │ Card 1       │ │ Card 2       │ │ Card 3       │ │ Card 4       │ │
│ │ Residential  │ │Commercial    │ │ Recycling    │ │ Special      │ │
│ └──────────────┘ └──────────────┘ └──────────────┘ └──────────────┘ │
│                                                                                                      │
```

```
        ├──────────────────────────────────────────────────────────────────────────────────────────────────────┤
        │
┌──────────────────────────────────────────────────────────────────────────────────────────────────────────────┐
        │ │                TESTIMONIAL SLIDER                 │ │
        │ │  "Excellent service! ★★★★★" - Customer      │ │
        │
└──────────────────────────────────────────────────────────────────────────────────────────────────────────────┘
        │                                        │
        └──────────────────────────────────────────────────────────────────────────────────────────────────────┘
```

**Desktop Div Structure:**

html

```
<div class="desktop-container">
  <header class="desktop-header">
    <div class="header-left">
      <img src="logo.png" alt="CanDo">
      <h1>CanDo Waste Solutions</h1>
    </div>
    <nav class="desktop-nav">
      <a href="index.html">Home</a>
      <a href="services.html">Services</a>
      <a href="about.html">About</a>
```

```
      <a href="contact.html">Contact</a>
    </nav>
  </header>

  <main class="desktop-main">
    <section class="hero-desktop">
      <div class="hero-image">...</div>
      <div class="hero-content">...</div>
    </section>

    <section class="services-grid">
      <div class="service-card">...</div>
      <div class="service-card">...</div>
      <div class="service-card">...</div>
      <div class="service-card">...</div>
    </section>
  </main>
</div>
```

---

**Color Palette & Design System**

**Color Palette:**

text

```
┌──────────────────────────────────────┐
│     CANDO COLOR PALETTE              │
├──────────────────────────────────────┤
│ PRIMARY GREEN                        │
│ ████████████████████████████         │
│ #2E7D32 | RGB(46, 125, 50)           │
│ Environmental, Trustworthy           │
├──────────────────────────────────────┤
│ SECONDARY ORANGE                     │
│ ████████████████████████████         │
│ #FF9800 | RGB(255, 152, 0)           │
│ Energy, Action, Urgency              │
├──────────────────────────────────────┤
│ BACKGROUND LIGHT                     │
│ ████████████████████████████         │
│ #F8F9FA | RGB(248, 249, 250)         │
│ Clean, Professional                  │
├──────────────────────────────────────┤
```

```
│ TEXT DARK              │
│ ═══════════════════════ │
│ #333333 | RGB(51, 51, 51)  │
│ Readable, Professional     │
└────────────────────────────┘
```

**Color Psychology Justification:**

**Primary Green (#2E7D32)**

- **Psychology**: Represents nature, growth, and environmental responsibility. Evokes feelings of trust, safety, and harmony.
- **Marketing Impact**: Builds immediate association with eco-friendly services and creates sense of reliability.
- **Web Application**: Used for primary branding, navigation, and success states.

**Secondary Orange (#FF9800)**

- **Psychology**: Represents energy, action, and enthusiasm. Creates sense of urgency and call-to-action.
- **Marketing Impact**: Draws attention to important elements and encourages immediate action.
- **Web Application**: Used for call-to-action buttons and interactive elements.

**Supporting Colors**

- **White (#FFFFFF)**: Creates clean, professional aesthetic matching waste management theme
- **Light Gray (#F8F9FA)**: Provides clean background for content sections
- **Dark Gray (#333333)**: Ensures excellent readability for text content

**Typography & Icons:**

- **Font Family**: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif
- **Root Font Size**: 16px
- **Font Weights**: 400 (normal), 600 (semibold), 700 (bold)
- **Icons**: Font Awesome icons (fa-trash, fa-recycle, fa-building, etc.)
- **Icon Dimensions**: 24px to 3rem depending on context

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**User-Defined Functions**

| Function Name | Purpose | Location |
|---|---|---|
| updateNavbar() | Manages login/logout UI state | Multiple Pag |
| validateField() | Form validation with error handling | Forms |
| loadCart() | Retrieves cart from localStorage | Cart System |
| saveCart() | Saves cart to localStorage | Cart System |
| renderCart() | Displays cart items in table | Cart Page |
| selectParish() | Handles map parish selection | Contact Page |
| createMapParishes() | Generates interactive map | Contact Page |

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**Intended Audience**

**Primary Target Markets**

**1. Residential Customers**

**Demographics**:

- Homeowners and renters across Jamaica
- Age: 25-65 years
- Income: Middle to upper-middle class
- Location: All 14 parishes

**Needs**:

- Regular household waste collection
- Bulk item disposal (furniture, appliances)
- Recycling services
- Reliable scheduled pickups

**2. Commercial Clients**

**Business Types**:

- Offices and corporate buildings
- Retail stores and shopping centers
- Restaurants and food services
- Schools and educational institutions

**Requirements**:

- Customized waste management plans
- Scheduled commercial pickups
- Bulk waste disposal
- Recycling program integration

**3. Property Management Sector**

**Clients**:

- Apartment complex managers
- Housing development administrators
- Commercial property owners

**Needs**:

- Multi-unit service plans
- Regular maintenance schedules
- Emergency cleanup services

**User Personas**

**Persona 1: Residential Homeowner**

- **Name**: Malik Thomas
- **Location**: Kingston
- **Needs**: Weekly garbage collection, occasional bulk disposal
- **Goals**: Convenient, reliable service with eco-friendly options

**Persona 2: Business Owner**

- **Name**: Jace Bent
- **Business**: Restaurant in Montego Bay
- **Needs**: Daily waste collection, recycling program
- **Goals**: Cost-effective, compliant waste management

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**Technical Implementation**

**CSS Features Implemented:**

- **5+ Selectors**: Element, class, ID, descendant, pseudo-class

- **Flexbox/Grid Layout**: Responsive design for mobile and desktop
- **CSS Variables**: Consistent color scheme and spacing
- **Media Queries**: Mobile-first responsive design

**JavaScript Features Implemented:**

- **DOM Manipulation**: getElementById, querySelector, innerHTML updates
- **Event Listeners**: Form submissions, click events, input validation
- **Form Validation**: Email format, required fields, date validation
- **LocalStorage**: User sessions, cart persistence, data management

**E-commerce Features:**

- Product/Service catalog with pricing
- Shopping cart with quantity management
- User registration and authentication
- Order processing and checkou

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# References

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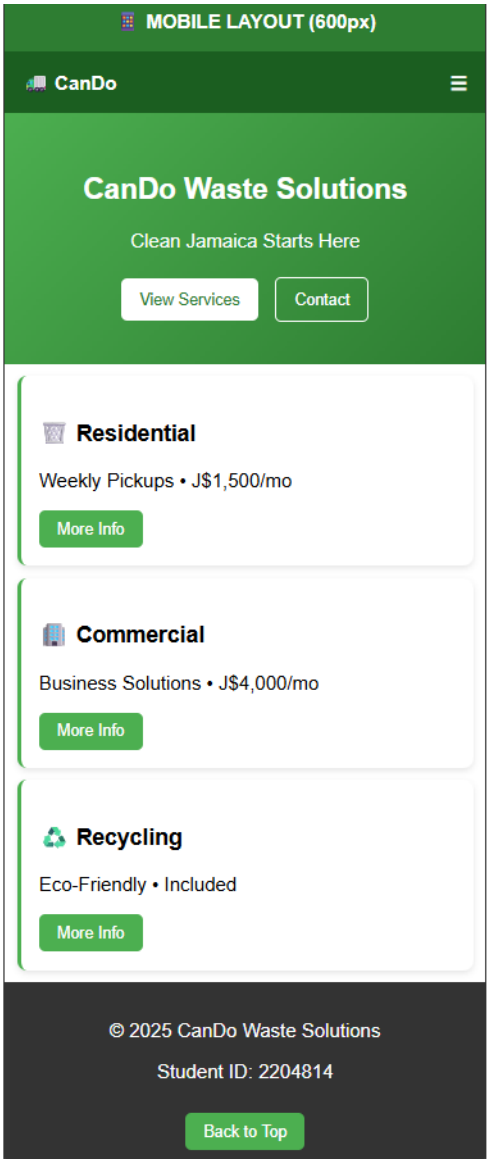
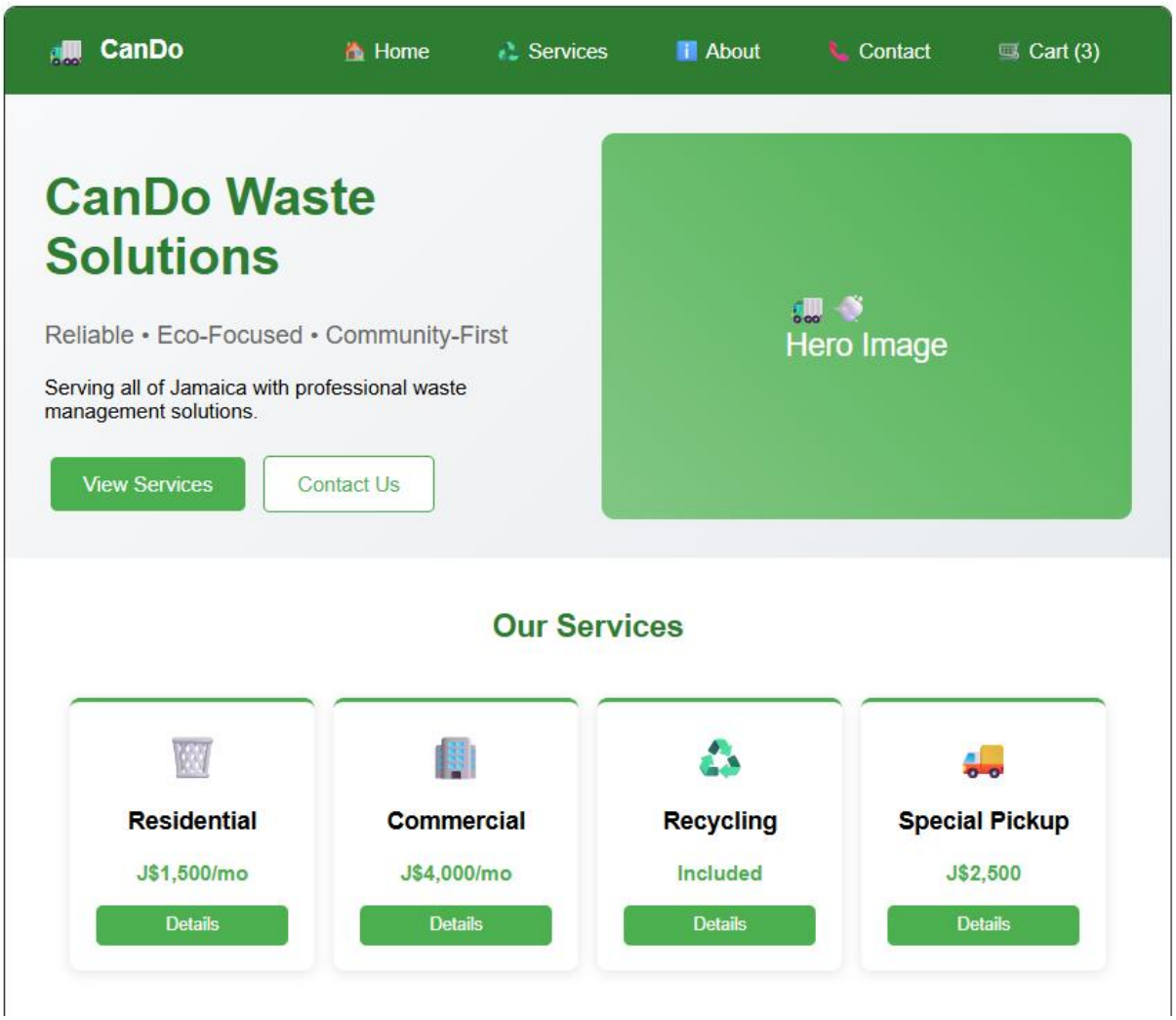

MOBILE LAYOUT (600px)
CanDo
CanDo Waste Solutions
Clean Jamaica Starts Here
View Services
Contact
Residential
Weekly Pickups • J$1,500/mo
More Info
Commercial
Business Solutions • J$4,000/mo
More Info
Recycling
Eco-Friendly • Included
More Info
© 2025 CanDo Waste Solutions
Student ID: 2204814
Back to Top

Storyboard


CanDo
Home
Services
About
Contact
Cart (3)
CanDo Waste Solutions
Reliable • Eco-Focused • Community-First
Serving all of Jamaica with professional waste management solutions.
View Services
Contact Us
Hero Image
Our Services
Residential
J$1,500/mo
Details
Commercial
J$4,000/mo
Details
Recycling
Included
Details
Special Pickup
J$2,500
Details

storyboard