

# **PREPARE SOFTWARE REQUIREMENT SPECIFICATION (SRS) DOCUMENT**

By

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**Chattogram-4000, Bangladesh**

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CSE306: Software Engineering and Information System Design Lab

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A report submitted in partial fulfillment of the requirements for the assignment of  
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## **Abstract**

The pervasive use of plastic presents environmental challenges. Single-use plastics, in particular, contribute to pollution, as they often end up in landfills and oceans, causing harm to ecosystems and wildlife. The disposal and improper management of plastic waste have become pressing global issues. website aimed at fostering environmental sustainability by transforming recycled plastic into valuable and useful products. The platform envisions creating a virtual ecosystem that connects users, recyclers, and manufacturers, fostering a circular economy for plastic materials. By bridging the gap between consumers, recycling facilities, and creative artisans, RePlastify envisions a world where recycled plastic not only mitigates environmental harm but also becomes a valuable resource for crafting useful and aesthetically pleasing products. This abstract sets the stage for the comprehensive SRS report, providing a strategic roadmap for the development and implementation of RePlastify as a pioneering force in the realm of sustainable e-commerce.

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# **CHAPTER 1**

## **INTRODUCTION**

### **1.1 Problem Statement**

In a world grappling with the environmental repercussions of excessive plastic consumption, Econscious emerges as a beacon of sustainable innovation. As an e-commerce company dedicated to redefining consumerism, Econscious takes the bold stance of not just acknowledging the plastic problem but actively turning it into a solution. Our mission is clear: to craft useful, stylish, and purposeful products from waste plastic, forging a path towards a more eco-friendly and conscious future.

Econscious envisions a circular economy where discarded plastic is not merely a pollutant but a valuable resource waiting to be repurposed. Through ingenuity and commitment to sustainability, we breathe new life into discarded materials, transforming them into a diverse range of high-quality products that seamlessly integrate into daily life.

### **1.2 Background**

In an era where environmental concerns have reached a critical juncture, Econscious emerges as a response to the pressing need for sustainable alternatives in consumer culture. Founded on the principles of environmental responsibility, innovation, and social consciousness, Econscious is a trailblazing e-commerce company that envisions a world where waste is not just discarded but transformed into purposeful products that elevate daily living.

The genesis of Econscious can be traced back to a collective realization—a realization that the escalating plastic crisis demanded more than just acknowledgment. It demanded action, ingenuity, and a paradigm shift in how we perceive and interact with the materials that surround us. Drawing inspiration from the urgency of the environmental call, Econscious was born with a singular mission: to reimagine the lifecycle of plastic, transforming it from a global menace into a catalyst for positive change.

Econscious invites individuals to embrace a new era of conscientious living—one where the products we use are not just symbols of personal style but

declarations of a commitment to the planet. Together, we can redefine the narrative of waste, transforming it into purpose, and shape a future where sustainability seamlessly integrates into our everyday lives.

### **1.3 Benefits of Application**

Benefits of Econscious are:

- ❖ Environmental Stewardship
- ❖ Circular Economy Champion
- ❖ Streamlined Shopping Experience
- ❖ Product Catalog Accessibility
- ❖ Community Engagement
- ❖ Transparency and Traceability
- ❖ Notification and Updates
- ❖ Secure Transactions
- ❖ Feedback and Reviews
- ❖ Integration with Social Media
- ❖ Promotional Campaigns

### **1.4 Objectives**

- Econscious invites individuals to embrace a new era of conscientious living—one where the products we use are not just symbols of personal style but declarations of a commitment to the planet. Together, we can redefine the narrative of waste, transforming it into purpose, and shape a future where sustainability seamlessly integrates into our everyday lives.
- Users can explore a diverse and curated catalog of upcycled products, ranging from fashion to home goods, encouraging them to discover innovative and stylish items made from recycled materials.

- Users can seamlessly navigate the application for a convenient and efficient shopping experience, browsing, and purchasing eco-friendly items with ease.
- Easy to communicate.
- Provide Quality Products
- Reduces plastic pollution by repurposing waste plastic into useful and stylish products.
- Mitigates the environmental impact of single-use plastics by giving them a second life.

### **1.5 Purpose:**

1. Promote Sustainable Living
2. Reduce Plastic Waste
3. Convenient and Secure Shopping
4. Measure and Demonstrate Impact
5. Host Sustainability Initiatives

### **1.6 Features:**

1. Signup after admin approval
2. User Profiles
3. User Account Management
4. Push Notifications
5. Product Reviews and Ratings
6. Cart
7. User Feedback Mechanism
8. Order Tracking
9. Simple to contact with the admin
10. Live Chat