# SOCIALIZE -

Hack the Globe 2025 Toronto Hub

Alexander Yuyitung Elena Yijia Zhu Gregory Young Maria Chzhen



# **Meet the Team**



Alexander Yuyitung

Computer Engineering University of Waterloo



Elena Y. Zhu

Industrial Engineering University of Toronto



**Gregory Young** 

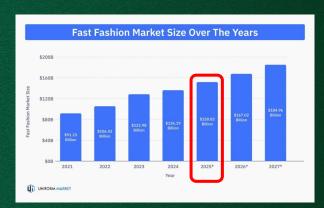
Computer Engineering University of Waterloo

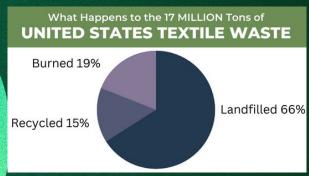


**Maria Chzhen** 

Industrial Engineering University of Toronto

# The Environmental Impact of Fast Fashion





**Second biggest consumer** of water in the world

Grown **10.7**% from beginning of 2024

US alone generates **15.8 megatons** of textile waste

Greenwashing: **39**% could be **false or deceptive** 

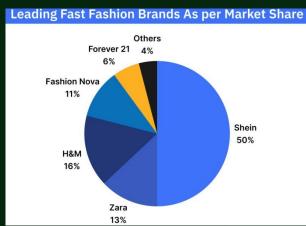
Shein adds **10,000 new items** to inventory every day

141+ billion cubic meters of water

10% of microplastics in our oceans every year

200% increase in production since 2000

# **Analysis of Current Market**





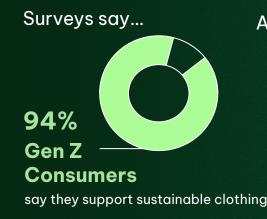
Pricing of clothing

Lack of Knowledge

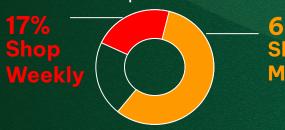
Lack of Aesthetic Choice

Scepticism Over Transparency

Social Desirability



**Actual Consumption of Fast Fashion** 



62% Shop Monthly





Most pieces of clothing are only worn **7 to 10 times**before being thrown away



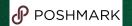
The average consumer buys **60% more clothing** today than 15 years ago, but wears each item for **half as long** 



Secondhand fashion market is growing 3x faster than fast fashion, projected to reach \$77 billion by 2025 and double by 2027





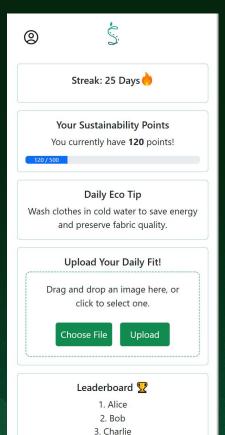


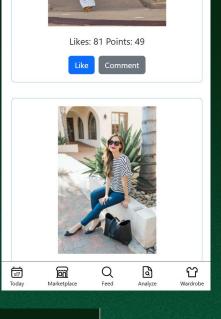
There's opportunity to **gamify** sustainability.

Introducing...

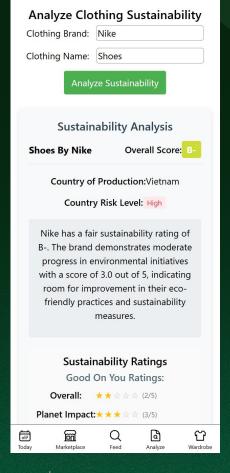


# SEWCIALIZE





**Today's Feed** 





Q

a

Analyze

台

Wardrobe

Marketplace

# **Technical Breakdown**

Frontend
Development
Powered by:









Backend
Development
Powered by:



Flask



Database Powered by:



### **Business Overview**

#### Who we are

Sewcialize is a community of sustainability advocates, fashion enthusiasts, and technology innovators.

#### **Vision and Values**

Our vision is to lead a global shift towards sustainable fashion consumption by transforming how individuals interact with their wardrobes.

#### **Stakeholders**

- Users and consumers
- Sustainable fashion brands
- Advertisers
- Environmental and social advocacy groups

#### Revenue generation

Stream 1: 70% Marketplace commission (10-15% commission) and partnerships.

Stream 2: 30% In-app advertisements.





**Stream 2: 30%** 

Stage	Operating Costs (annual)	Potential Revenue (annual)	Profit/Loss (annual)
Year 1-2 (Early)	~\$5,000	~\$12,000 - \$21,000	Positive (\$7,000-\$16,000 )
Year 3-5 (Growth)	~\$10,000	~\$140,000 - \$485,000	Positive (\$100k - \$400k+)
Year 5+ (Mature)	~\$10,000	~\$620,000 - \$850,000+	Strong Positive

Problem Breakdown

Live Demo

Technical Overview

**Business Overview** 

# **Marketing Strategy: Gamification and**

Gamification: using game mechanicommunity experiences more interactive and enjoyable.

Streak system for everyday use

BeReal.

Gamification benefits

Better Enhanced collaboration

Real-world connection

Regular app use

Habit formation: gamified programs improve customer retention by **22**%.

Engagement boost: gamification increases engagement by up to **65**%.

Challenges improve completion rates and learning outcomes by up to **89**%.

Your Sustainability Points
You currently have 120 points!

60%
Gen Z
Consumers
find gamified systems appealing

Incentivize users to wear sustainable brands in a sustainable fashion, use the app regularly.



Points for sustainable practices



Problem Breakdown

Live Demo

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**Business Overview** 

# **Assessing Market Dynamics and Competitive**

sition

Industry Rivalry - Low/Medium



potential expansions from established competitors



Building loyal community with limited-time events

Threat of New Entrants - Moderate

- low technical barriers
- network effects + user loyalty

Capitalize off first-mover advantage

#### Threat of Substitutes - Moderate/High

- existing alternatives in fashion tech
- manual alternatives

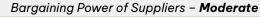
Enhancing unique gamification and community-driven incentives

# Competitive Rivalry Analysis

#### Bargaining Power of Buyers - High

- price sensitivity, low switching cost
- demand for tailored recommendations

Al-driven personalization



- resale/marketplace relationships
- moderate bargaining power with partnerships



Expand marketplace integrations, build exclusive long-term partnerships



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**Problem Breakdown** 

Live Demo

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**Business Overview** 

# Case Study: Brands growing from Sustainable

**FARFETCH** 

ships ships

**100% Conscious by 2032** 



93% rise

in searches for Conscious terms

1.8x faster

sales growth of conscious products compared to regular marketplace average

60% growth

in consumers buying Conscious products year-on-year

Increased Sales and Customer Loyalty
Consumer Engagement Surge



Business Impact

Scalable Brand Rating Solution Credible, Independent Methodology



Operational Strategy

Empowering Brands to Improve 50+ brands improved ratings Launch of sustainability hub



**Industry-Wide Impact** 

Helps brands improve performance Empowers creators, curators, and consumers by educating on sustainability



**Foundation for Change** 

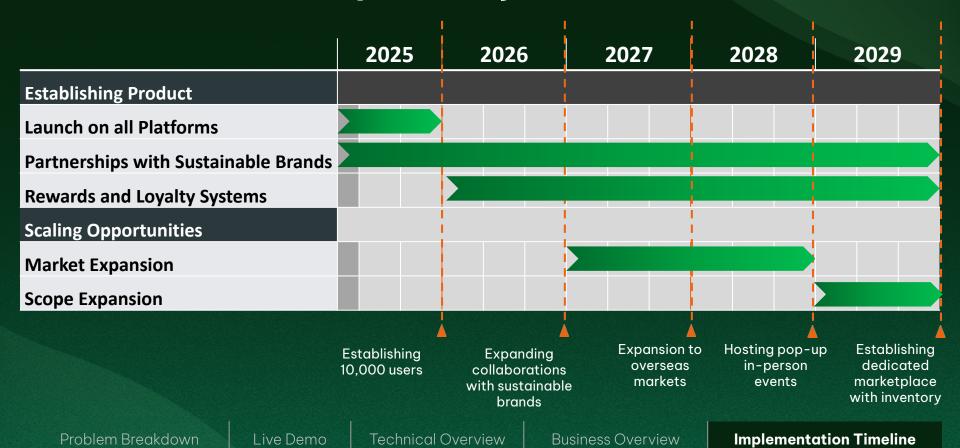
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**Business Overview** 

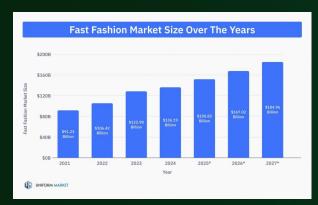
# Timeline of our Impact: Projection of Next 5 Years



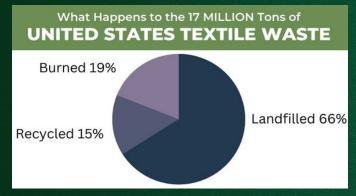


## **Appendices**

- <a href="https://www.unep.org/news-and-stories/story/putting-brakes-fast-fashion">https://www.unep.org/news-and-stories/story/putting-brakes-fast-fashion</a>
- <a href="https://www.shu.ac.uk/news/all-articles/latest-news/fast-fashion">https://www.shu.ac.uk/news/all-articles/latest-news/fast-fashion</a>
- https://www.asustainablecloset.com/home/the-second-hand-market-is-expected-to-double-by-20 27#:~:text=ThredUP%20is%20an%20online%20marketplace,by%20an%20average%20of%2025%25.



https://www.uniformmarket.com/statis tics/fast-fashion-statistics



https://davidsuzuki.org/living-green/the-environmental-cost-of-fast-fashion/