

Project Scope

Green Home

October 16, 2022

Our project seeks to construct an E-commerce platform that facilitates transactions between users and selected sustainable product vendors.

1. User view
 - (a) Product browser
 - i. Search products by keyword
 - ii. List products in a list view with product name, price, rating, selling-points (esp. sustainability practices)
 - iii. Rank products based on vendor-specified criteria
 - iv. Filter products by criteria (e.g., price, sustainability, rating, etc)
 - v. Show product page with detailed product and vendor information, reviews
 - vi. Add product(s) to cart
 - (b) Account management
 - i. Create user account with minimal identifying information (name, date-of-birth, e-mail address, shipping address)
 - ii. Authenticate users with username and password
 - iii. Change credentials, offer secure credential reset
 - iv. Store purchase history per-user
2. Administrator view
 - (a) Product management
 - i. Add product listings
 - ii. Modify product listings
 - iii. Remove product listings
 - (b) User management
 - i. Monitor user and server activity logs for misuse
 - ii. Ban malicious users
 - iii. Reset user credentials when applicable
3. Miscellanea
 - (a) Support desktop and mobile web platforms