

Rensselaer Polytechnic Marketplace



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Agenda

The Plan

- Product Pitch
 - Overview
 - Future Features
 - Demo
 - Q&A
-

Product Pitch



What is RPM?

RPM provides a personal method of item exchange, tailored to RPI students.

No longer do you need to wait for your Amazon package to arrive, you can just walk down to the union and make an exchange there.

Instead of paying for exchange fees, you can buy directly from your peers instead.

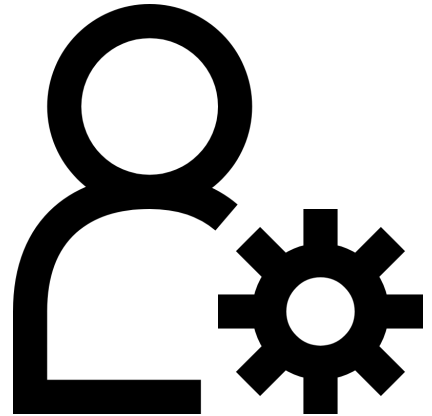
Overview



User Accounts

An account is required to access any functions of the site.

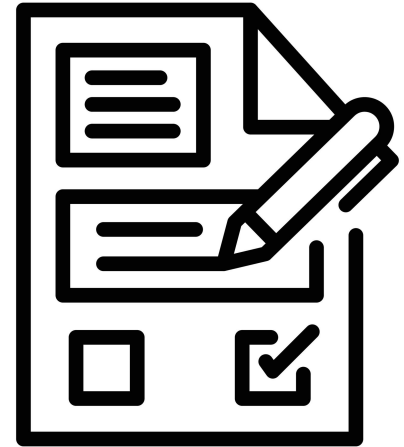
- Personal information
- Contact information
- Posted listings



Item Listings

Each item on our site has a listing page, where you can view information dynamically pulled down from the database.

- Listing information
- Seller contact
- Removable
- Created via form



The Marketplace

The marketplace page is the go to spot for finding what you want.

- Dynamic listing display
- Search functionality via name
- Search functionality via category



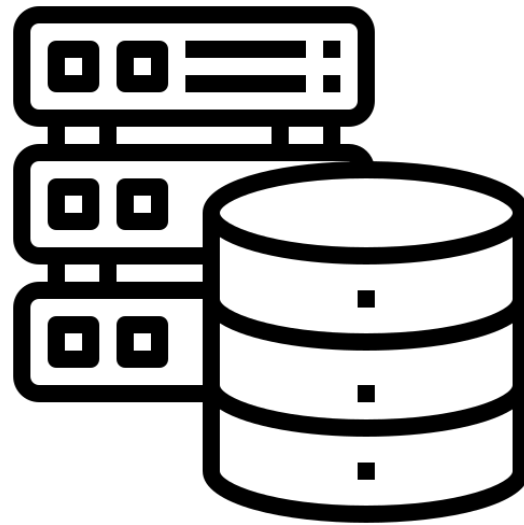
The Database

Our database functions as the core of our project, housing all information across multiple tables.

Two primary tables organize our data:

- Users Table
- Listings Table

Tables are related by RCSID



Security Features

Our site has a number of features intended to increase user and data security.

- SSL/TLS encryption
- Input validation and sanitization
- Session management
- Isolated environments
- Error handling



Demo



Future Features



Duo Login

In the future, we want to make our site compatible with Duo Mobile Authentication.

- Increased user security
- Streamlined onboarding
- Restricts users to RPI



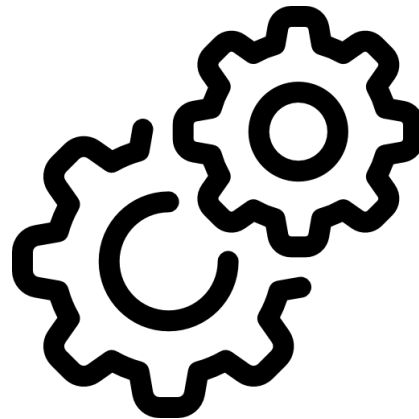
Exchange Location

Having a feature to set exchange locations would encourage safe meetings, without removing the personal contact that our site currently encourages.

Expanded Settings

We hope in later iterations of the site that we can implement more items to the settings tab. We also want to make changes to the settings page.

- Font size settings
- Dyslexia friendly fonts
- Colorblind modes



We also want to show what your current settings are when you go to change them.

Overhauled Buy System

Overhauling the system for buying items to be more in line with the standard online shopping experience would be a potential goal for the future.

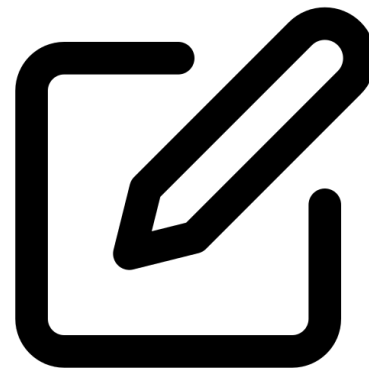
- Requires fundamental changes to site functionality
- Increased security for payment information
- Payment processing
- Destroys in-person transaction experience



Improved Listings

Currently, once posted a listing can be removed - but not changed. A good feature is to not only allow editing, but improve listings generally.

- Editable text fields
- Multiple images
- Upload new images
- Remove images



Questions & Answers

