

1. Problem Background

- Sales of new or used books or materials across the UPRM campus are done by different means and can be tedious for students, especially new students.
- Students are forced to search throughout different places (social media, poster boards, university sites, etc.) to find what they are looking for.
- Students should be able to find everything they are looking for without having to visit too many places or waiting a lot of time in a line.

2. Target

- The goal is to have created, by April 2023, a platform where students and personnel (cafeteria, library, or administration workers) can buy, sell, or advertise items, services, etc. in an organized way.
- Students, as well as other personnel, feel they have a safe space where they can get all the services they need.
- Replace the current platforms in which many of the sales services are spread.

3. Causes

- **Problem:** Sales services across UPRM are spread across different platforms and physical locations, which can be problematic when locating a particular item or service.
- **Why?** The inexistence of a consolidated platform for sales services in the UPRM campus.
- **Why?** Sales information is spread through institutional websites, social media, email, etc.
- **Why?** Students are forced to search through different mediums to get the service they need.
- **Why?** Advertisements for sales or items are placed in outdated institutional sites.
- **Why?** An overabundance of old sale advertisements still present, causing confusion.

4. Countermeasures

- As a web application, the site can be used by cafeteria, library, and institution personnel, as well as students, to advertise or conduct sales.

Category	Possible Countermeasures
Institution	Category can be subdivided into services such as cafeteria, library, and student services such as student certificates.
	Cafeteria: Personnel can organize the different institutional sales such as the zeal for the parking.
	Library: Students can see if a specific resource is available or send files for printing to later pick up.
	Student services: Professors can sell their books through page.
Students	Students can add used books or materials to sell.
	Students can advertise association or club sales.

5. Check/Evaluate

- The project's success can be determined by various factors:
 - A growth in users, and a high percentage of active users.
 - Surveys ran periodically to guarantee user satisfaction.
 - Use of data to revise which parts need to be tweaked for efficiency.
- Platform would be advertised by the institution itself to bring more users. Social media, emails, or activities such as free workshops can help spread its use.

6. Act/Standardize

- User feedback will be essential for the project's continued growth, helping improve deficient areas. This will also help advertise the project more.
- Improvements may include servicing other institutions or even local food businesses around the campus area.
- Implement moderators that can revise the items being sold.