

Pahiram Services

Machine Project Specifications for the course on Web Application Development (CCAPDEV)

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CCAPDEV MP Specifications

PAHIRAM SERVICES

Rental system for lockers and equipment such as umbrellas, extension cords, VGA and HDMI cables, and markers.

FEATURES

Register

A user must first register an account to be able to rent a locker and several equipment. Only Lasallians can create an account, and to ensure the credibility of the users, the web app may implement one of the following approaches: (a) the user may have to manually provide his/her DLSU email address and ID number on the registration form, which will then be validated by the administrator; or (b) the web app may integrate Google user authentication and restrict the domain email to dlsu.edu.ph, while also providing the ID number to complete the registration.

Log in

After creating a user account and the administrator's verification process, the user may now log in. The user logged in may begin to rent lockers and equipment, view pending rental requests, and manage ongoing rentals.

Log out

The user's session ends when he/she logs out.

View terms

This feature displays the terms of agreement associated with the respective *pahiram* services.

Student Features

Locker rentals

Students can only rent 1 locker. He may select a small or big locker in any of the following locations: (1) Medrano Hall, (2) Yuchengco 1/F, (3) Velasco 2/F, (4) Velasco 3/F, (5) Miguel 2/F, (6) Gokongwei 2/F, (7) Gokongwei 3/F, (8) Razon 1/F, and (9) Andrew 15/F. On the locker rental page, a floor layout of the location chosen by the user will be displayed. This will aid the user in selecting a particular locker in the diagrams displayed. The locker feeds are color-coded to represent their respective statuses: taken, available, broken, or uncleared. Upon reservation, the locker will be marked taken and the user will receive a unique reference number represented as a string. The user must present the said, along with his padlock and/or key and payment, to a student services representative within the next school day. The slot will be

reopened when the student fails to submit the requirements on time. In return, the student will receive an official receipt and the sticker.

Equipment rentals

The student can only have a maximum of 2 on-going reservations at a time. Furthermore, students can rent a maximum of 2 pieces of equipment (per date) and reserve it for a specific date. For same-day borrowing, the reservation should be made before 6:00 am of the day. The borrowed equipment should be returned on or before 6pm of the day the equipment is borrowed. Students with unsettled clearance cannot use this feature.

Penalty charges:

- Php50 Returning of borrowed materials beyond 6pm. (Increments of Php20 per day).
- Php150 Damaged or lost equipment. (A replacement will also be needed).

View current reservations and rentals

The student may view his/her current locker reservations and equipment rentals in a neatly organized page. They are presented with the option to manage his/her pending requests.

Cancel equipment reservation

The student can cancel reservations anytime as long as the borrowed equipment has not been claimed yet from the office/student representative.

Modifying the number or type of equipment to be borrowed in the reservation will need the student to cancel the reservation and create a new one.

View clearance

The student may view his/her current balance for unsettled charges from damaged/loss equipment and late return of borrowed equipment.

Administrator-Exclusive Features

Manage locker feed

Only the administrator can update the locker status on every feed. As mentioned previously, the locker feeds are color-coded (see: locker rentals).

Manage clearance

The student representative can clear the student once his/her balance is settled or the equipment is replaced.

Update equipment availability

Upon returning the equipment, a student representative can update the availability of the equipment for the following day. If the equipment is not returned, the next day reservation will be cancelled and the user who reserved on that date will be notified if there are no other available equipment for rent.

Update locker and equipment inventory

Whenever a new locker is added, or an existing locker has been removed from

the building, the administrator may update the floor plan and the locker layouts. New equipment may also be added, and updates to existing stocks may also be reflected in the system.

Add locker

The administrator can add a new locker on a specific floor and building.

Remove locker

The administrator can delete lockers on a specific floor and building.

Add new equipment

The administrator can add new equipment together with the quantity.

Edit equipment stock

The administrator can edit the quantity of the equipment.

Remove equipment

The administrator can delete a specific type of equipment.

General

Good user experience. Visitors can easily navigate without help, all information are easy to access. Good visual design. Design suits the theme of the application, and is cohesive and consistent across the whole application.