

The Great Elite Five Team: Final Documentation

ISTE 330 Section 02

Database Connectivity and Access

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Before Administrator Viewpoint

Along with the code include a word document with screen shots labeled with what they are showing: the login (show failed login), search screen, faculty update, delete, insert (add), any other screens to show what you have completed

PAWS R LOAN- Administrator

Administrator
Add/Remove Managers

Name	Action
<div>Add new Manager</div>	

Figure 1: Administrator starting page

username

Excelsior

Cancel

OK

Figure 2: Once "Add new Manager" button is clicked, pop-up message request for a username.

Administrator Add/Remove Managers	
Name	Action
Stan Lee	<input type="button" value="Delete"/>

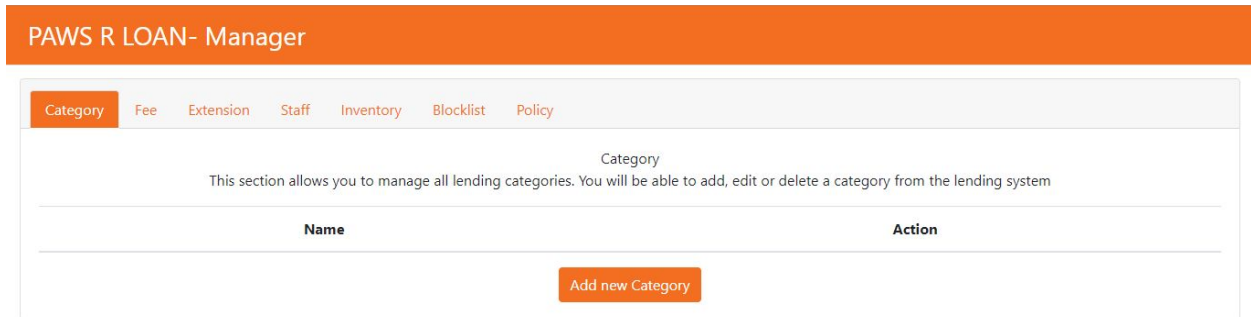
Figure 3: Stan Lee is added as Manager.

Username cannot be empty

Figure 4: Pop-up when the textfield for username is null.

Before Manager Viewpoint:

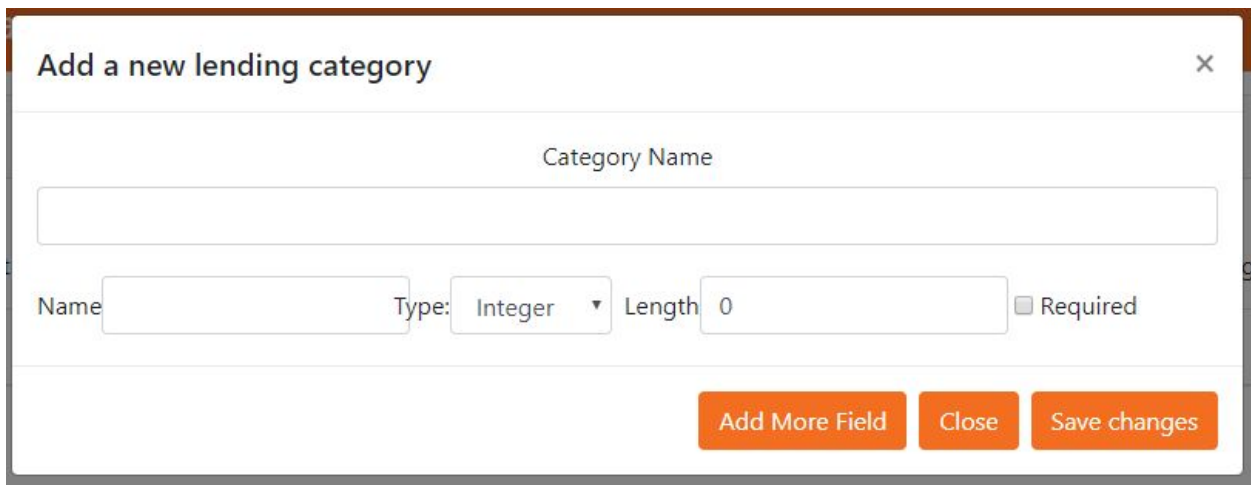
A viewport of websites contains several navigational websites and each feature a different functions based on descriptive terms on the navigational tab. It is only viewable by a manager and nothing else. While in a manager's viewport, they are allow to modify update, and delete of data from a table through the user interfaces below.



The screenshot shows the 'PAWS R LOAN- Manager' interface. At the top is an orange header with the text 'PAWS R LOAN- Manager'. Below this is a navigation bar with tabs: 'Category' (highlighted in orange), 'Fee', 'Extension', 'Staff', 'Inventory', 'Blocklist', and 'Policy'. The main content area is titled 'Category' and contains the text: 'This section allows you to manage all lending categories. You will be able to add, edit or delete a category from the lending system'. Below this text is a table with two columns: 'Name' and 'Action'. At the bottom of the table is an orange button labeled 'Add new Category'.

Figure B1: Category page - a front page where all managers will be arrive.

The first tab features a category website and let manager to add a new category on Figure B1-A using a basic needed info to set up a new table into our custom database.



The screenshot shows a modal form titled 'Add a new lending category' with a close button (X) in the top right corner. The form contains a 'Category Name' label above a text input field. Below this, there are three fields: 'Name' with a text input, 'Type' with a dropdown menu showing 'Integer', and 'Length' with a text input showing '0'. To the right of the 'Length' field is a checkbox labeled 'Required'. At the bottom of the form are three orange buttons: 'Add More Field', 'Close', and 'Save changes'.

Figure B1-A: Add a new lending category

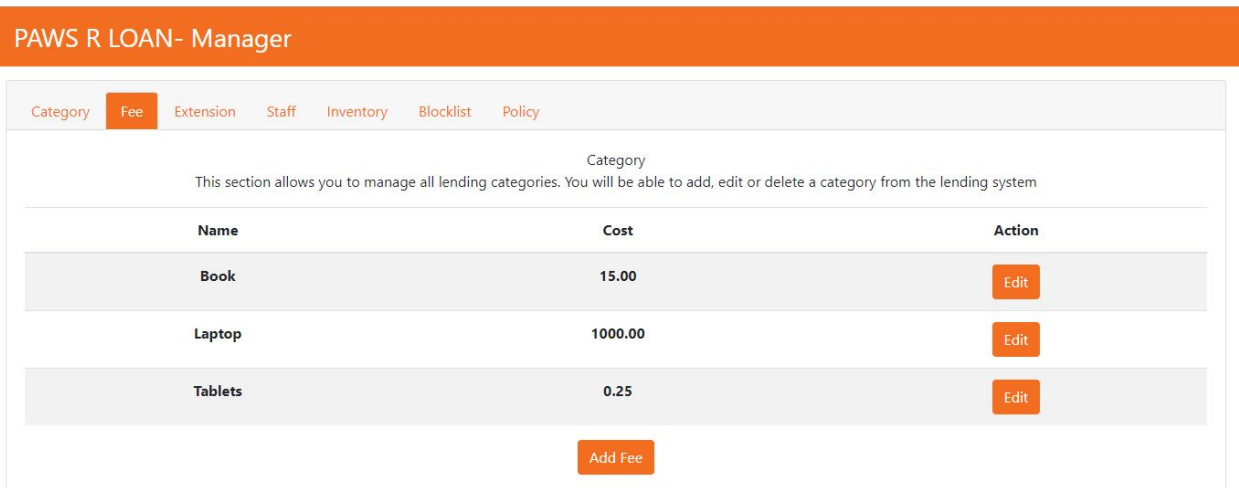


Figure B2: Fee page

For second tab, it describes a price website which shows a list of data of their name, cost, and action. A manager may decide to add a fee to an item whenever the item is not meet a guideline requirements and also may choose to edit for further action needed.

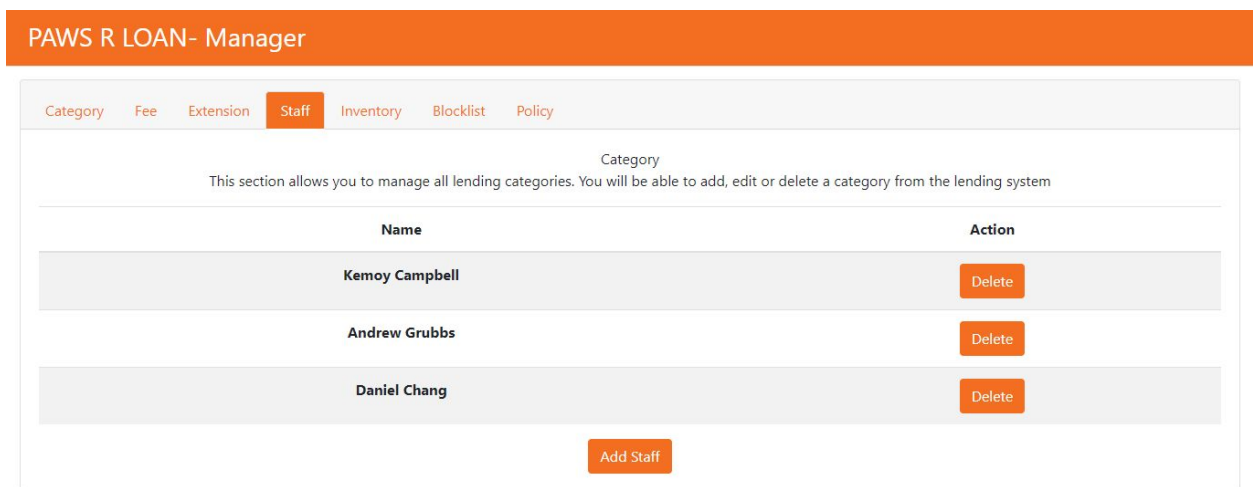


Figure B3: Staff page

With the fourth navigation tab, it states a staff website which lists of staff people only manager may decide to add or remove staff from the table. Anyone who is currently a staff have permission to do such special actions which a borrower doesn't have.

PAWS R LOAN- Manager

Category
Fee
Extension
Staff
Inventory
Blocklist
Policy

Category

This section allows you to manage all lending categories. You will be able to add, edit or delete a category from the lending system

Item Name	# items checked out	# items checked in	Total
Add Inventory			

Figure B4: Inventory page

PAWS R LOAN- Manager

Category
Fee
Extension
Staff
Inventory
Blocklist
Policy

Category

This section allows you to manage all lending categories. You will be able to add, edit or delete a category from the lending system

Name	Action
Book	Edit
Laptop	Edit
Tablets	Edit
Add New Policy	

Figure B5: Policy page

Before Borrower Viewpoint:

A main page for a borrower's viewport shows what are needed for a borrower to do. A borrower may be anyone include administrator, manager, staff, and as well as other registered people.

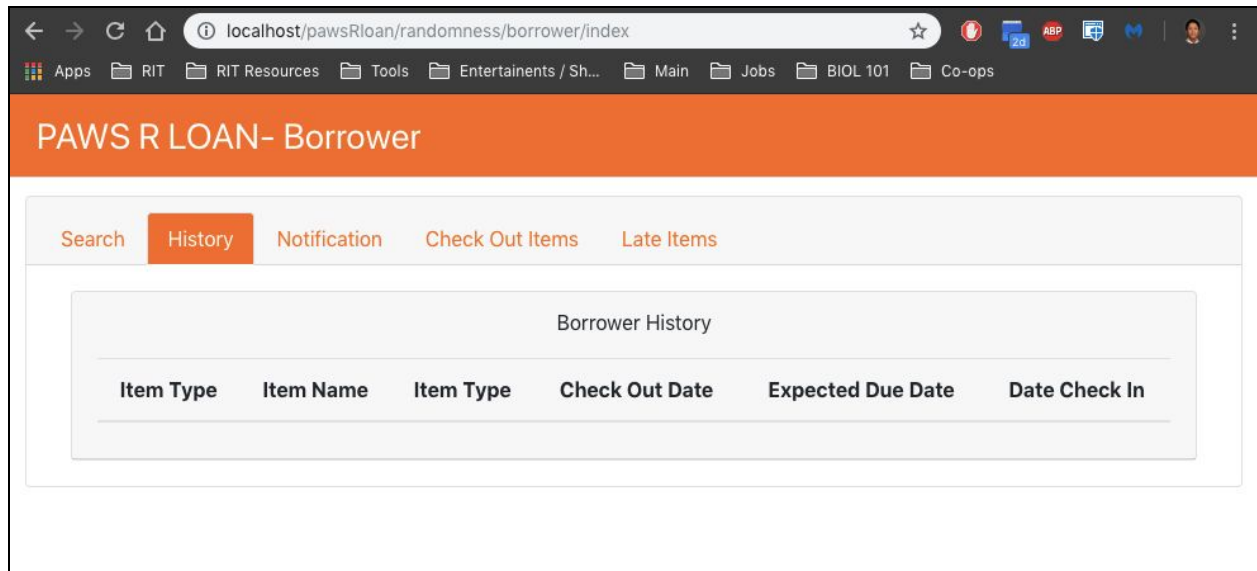
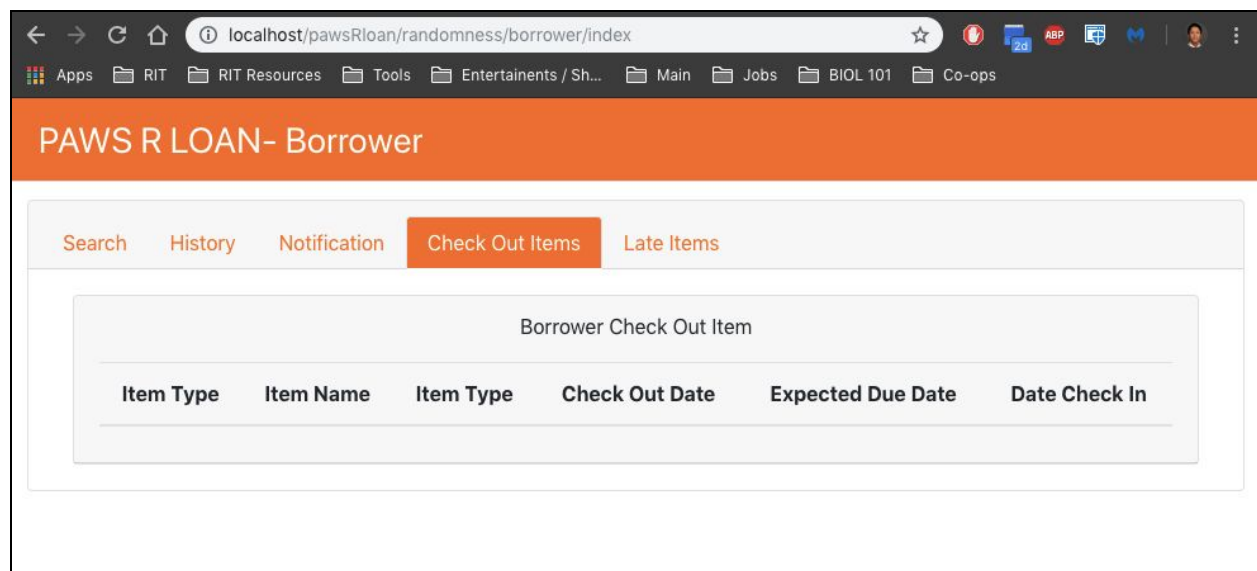


Figure C1: A view of "History" navigational tab while in a borrower's viewport.

One of the navigation websites is a history and it features a list of all tables consists of all items which had been used before will be show.

Figure C2: A check out item website during the borrower's viewport.



One of the navigational website is a Check Out Item website. It features a view of lists data in a table during the borrower's viewport to show all items a borrower currently have borrowed items before and let them choose to check it out.

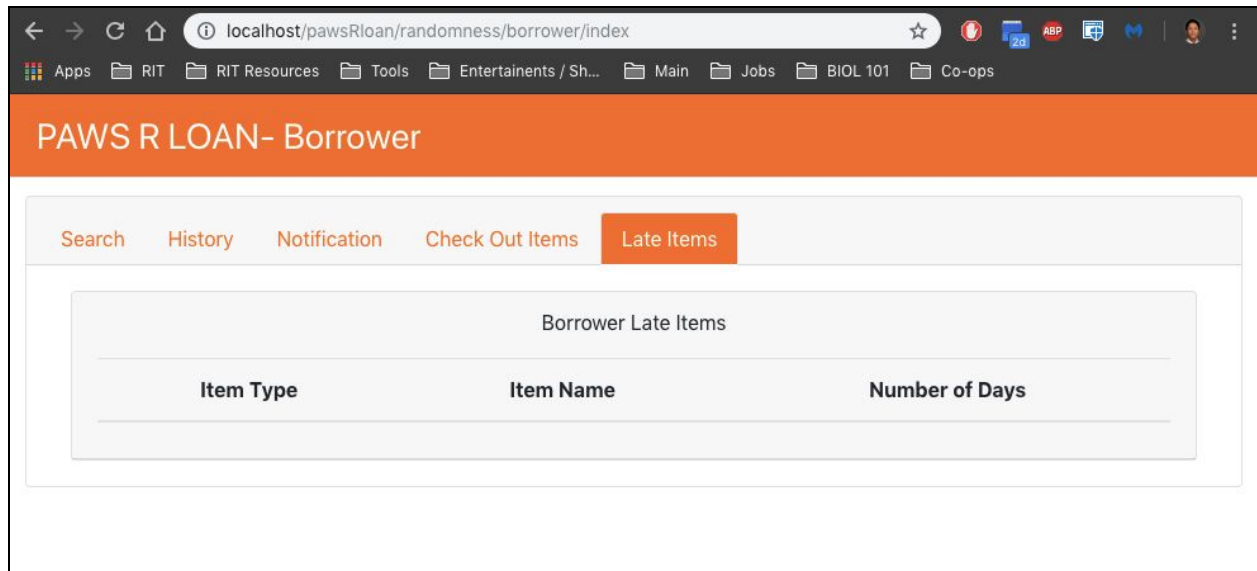
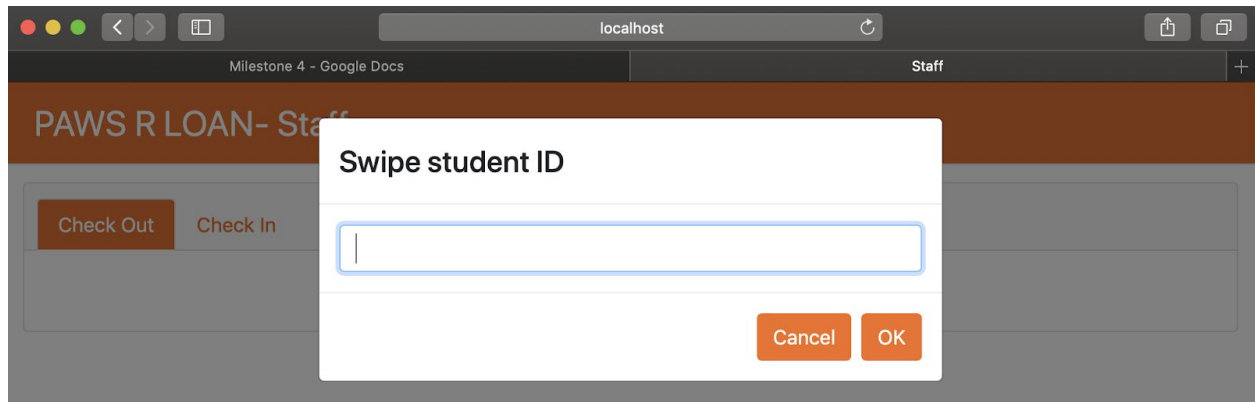


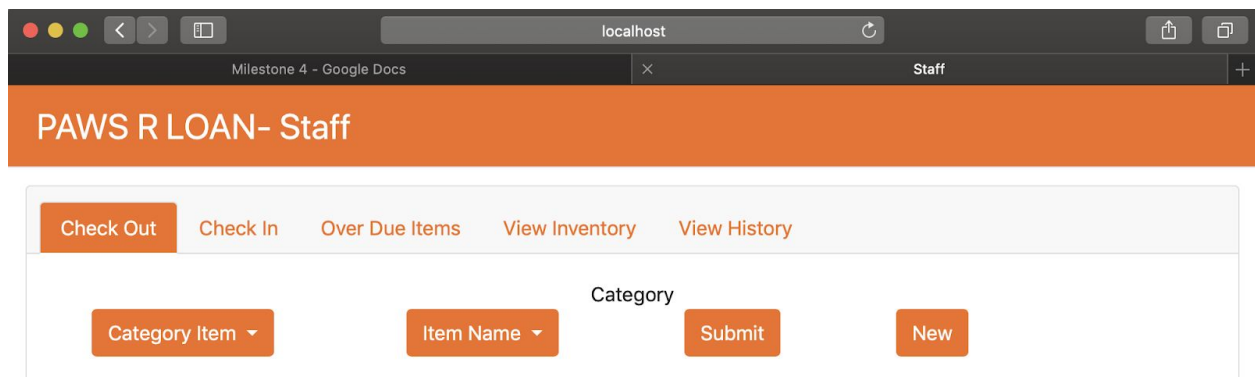
Figure C3: A Late Items navigational website while in borrower's viewport

One of the navigational website is a Late Item website which features a list of any items that are currently overdue and counts how many after the due date.

Before Staff Viewpoint:



Before Staff user uses the website, staff's card or user name is enter on the text field. Staff's user name should be match on database.



After staff user enters the swipe id, the checkout page will be first to see on the page.

PAWS R LOAN- Staff

Check Out Check In Over Due Items View Inventory View History

Check In Select

Check In Select

Enter

Check in page allows staff to see borrower's check in list. Staff user will select borrower's return items. The return item will be updated in the database system.

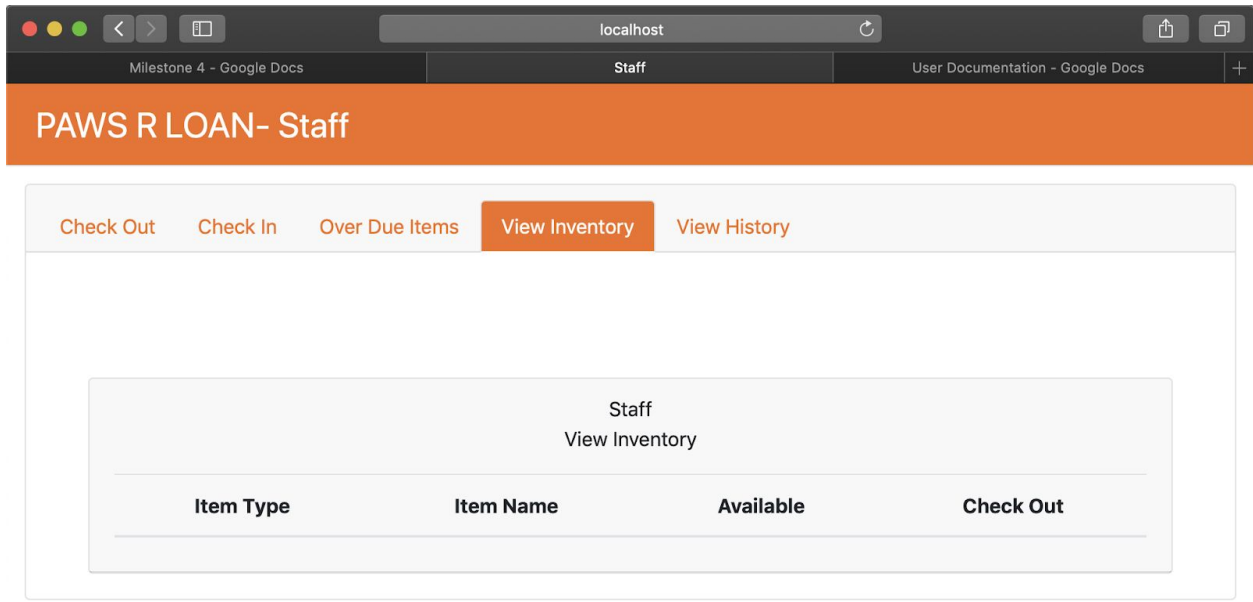
PAWS R LOAN- Staff

Check Out Check In Over Due Items View Inventory View History

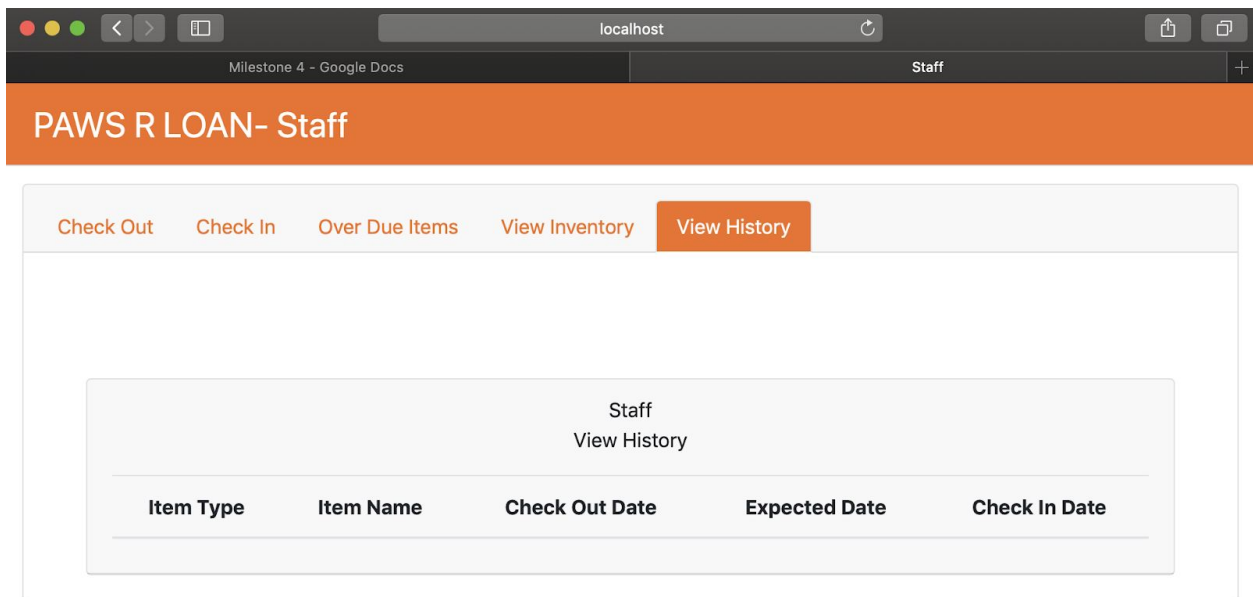
Staff
List of Overdue Items

Item Type	Item Name	Number of Days
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The overdue items page allows staff user to see which items are late.



On the “View Inventory” page, staff user will see item type, item name, how many items are available, and how many checkout items.



On the “View History” page, staff user will see the history of item that was check out date, expected date and check in date.

PawsRloan - Result

After Administrator Viewpoint

The screenshot shows the 'PAWS R LOAN- Administrator' interface. At the top, there is a navigation bar with buttons for 'Logout', 'Staff', 'Admin', 'Borrower', and 'Manager'. Below this, the main content area is titled 'Administrator Add/Remove Managers'. It contains a table with two columns: 'Name' and 'Action'. The table lists three managers: Kemoy Campbell, Aaron Kelly, and Andrew Grubbs, each with a 'Delete' button. At the bottom of the table, there is an 'Add new Manager' button.

Name	Action
Kemoy Campbell	<button>Delete</button>
Aaron Kelly	<button>Delete</button>
Andrew Grubbs	<button>Delete</button>

Add new Manager

Administrator user can only login if “Admin” button is selected. It is permissive for administrator user to read and write. Admin user can add new manager user to gain access and control on manager website.

The screenshot shows the same 'PAWS R LOAN- Administrator' interface, but with a modal dialog box open. The dialog box has a title 'username' and a text input field. Below the input field are 'Cancel' and 'OK' buttons. The background interface is dimmed, showing the same table of managers and the 'Add new Manager' button.

Administrator user types “ajg2473” on username field and it will show up as “Andrew Grubbs” on the list. Kemoy Campbell, Aaron Kelly and Andrew Grubbs are permitted to make change on manager. No changes has been made.

After Manager Viewpoint

Category Fee Inventory Policy Staff

Category

This section allows you to manage all lending categories. You will be able to add, edit or delete a category from the lending system

Name
Laptop

Add new Category

Manager user can add category such as “laptop”.

PAWS R LOAN- Manager

Admin Borrower Manager

Category Fee Inventory

Add a new lending category

Category Name

Name

Type: Integer

Length 0

Required

Add More Field Close Save changes

Add new Category

Manager user can edit what kind of laptop do we have in the inventory system. If there is more than one laptop attributes, manager user can add more fields.

PAWS R LOAN- Manager

Logout Staff Admin Borrower Manager

Category **Fee** Inventory Policy Staff

Fee

A manager may decide to add a fee to an item whenever the item is not meet a guideline requirements and may choose to edit for action needed.

Name	Cost	Rate
Laptop	50.00	day

Add | Edit Fee

We add fee for each category. We removed “edit” button on each row because we realized that we can edit on any category. The new button is changed to “Add | Edit Fee”.

The screenshot shows the 'PAWS R LOAN- Manager' interface. A modal titled 'Add New Fee' is open in the center. The modal contains a dropdown menu for 'Select a category' with 'Laptop' selected, a text input for 'Cost', and a dropdown for 'Rate' with 'Per Day' selected. There are 'Save' and 'Cancel' buttons at the bottom of the modal. In the background, the 'Fee' tab is active, showing a table with columns 'Name' and 'Rate'. A row for 'Laptop' is visible with a rate of '50.00'. A button labeled 'Add | Edit Fee' is at the bottom of the table.

This “Add New Fee” feature is adjusted to add new pop up system for select which category, how much it cost, and which rate such as “Per Day” or “Per Hour”.

The screenshot shows the 'PAWS R LOAN- Manager' interface with the 'Inventory' tab selected. The tab header includes 'Category', 'Fee', 'Inventory', 'Policy', and 'Staff'. Below the header, there is a section titled 'Inventory' with a description: 'Manager is able to see what is available in the inventory and items that has been checked out.' Below this is a table with the following data:

Item Category	# items checked out	# items checked in	Total
Laptop	0	2	2

At the bottom of the table, there is an 'Add Inventory' button.

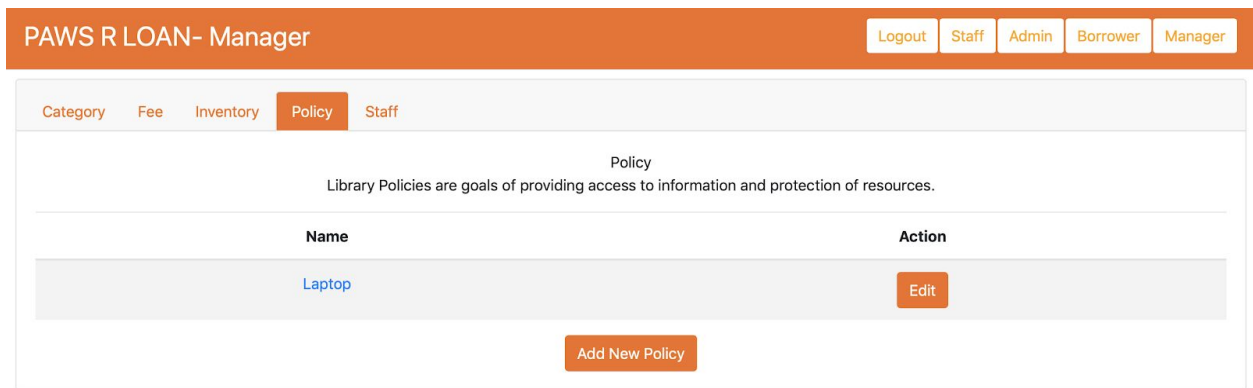
The inventory feature shows how many item is checked out and checked in. This is an inventory history system. Manager user can add inventory by selecting a button, “Add Inventory” if we have new item coming in. No changes has been made.

The screenshot displays the PAWS R LOAN- Manager web application. A central pop-up form titled "Add a new Inventory" is open, featuring several input fields: "Type", "Manufacture", "Year" (with a calendar icon), "Color", "itemID", and "name". At the bottom of the form are "Save" and "Cancel" buttons. The background interface includes a top navigation bar with "Logout", "Staff", "Admin", "Borrower", and "Manager" links. Below this, a sidebar contains tabs for "Category", "Fee", "Inventory" (which is selected), "Policy", and "Staff". The main content area shows a table with the header "Item Category" and a row for "Laptop". To the right, another table is partially visible with columns "Items checked in" and "Total", showing a value of 2 in both.

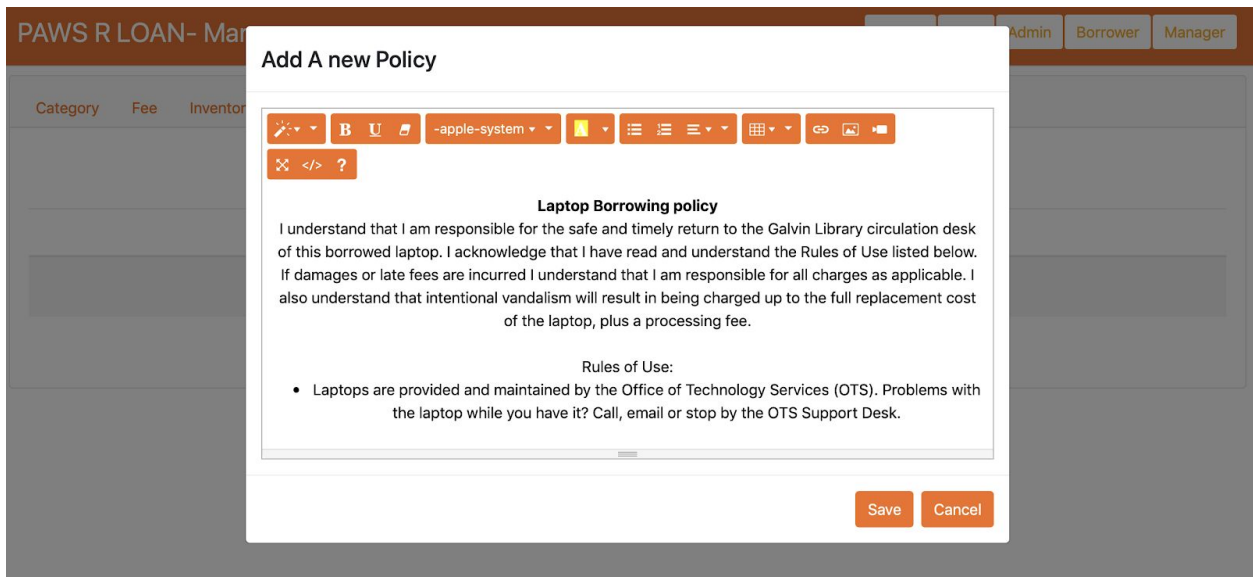
This is a new “Add a new Inventory” pop up system. Manager user needs to fill out like the following:

Type: Mac
Manufacture: Apple
Year: 2018
Color: Dark Silver
itemID: 3
Name: mac-03

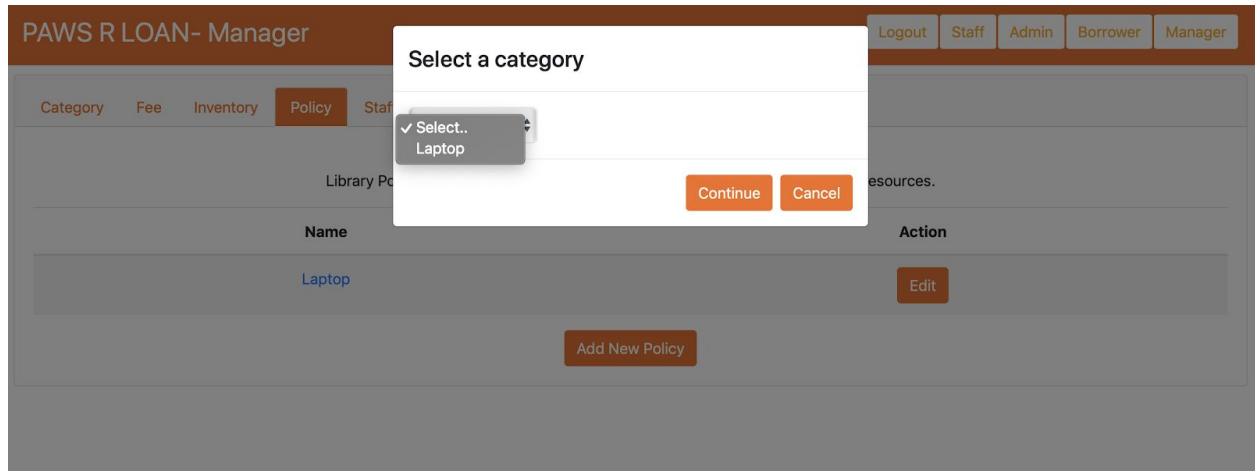
Then the user can save the information. Each category does not have same attributes like laptop.



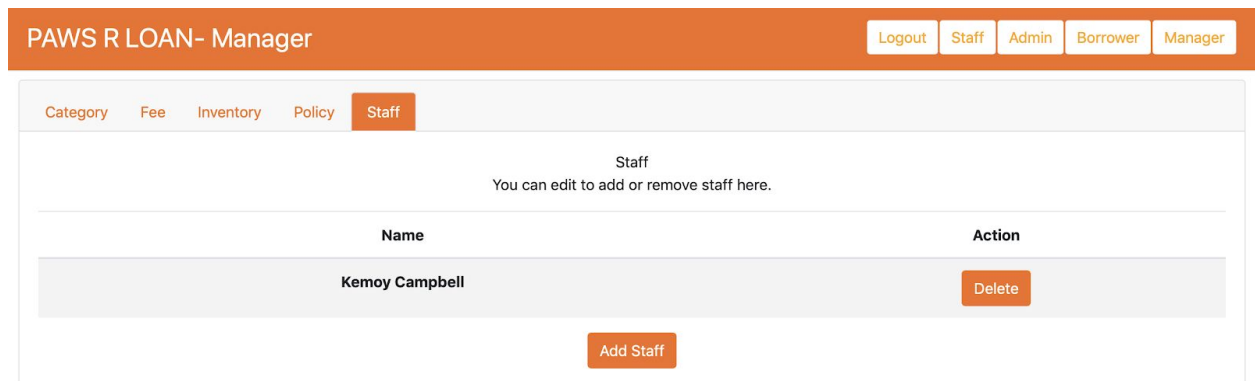
Manager user can select edit to make changes on policy.



“Add A New Policy” pop up feature shows that user can edit policy.



If there is a new item, manager user can add new policy for each inventory item. When user selected a category item, it will connect to edit mode and write policy for specific item.



Manager user can add staff user for permission to read and write on staff website.

We decided to remove extension and blocklist tabs for particular reason. Extension tab is a date that we can add extended date for borrower to borrow our item, but we can check in and check out at the same time for borrower's request. So it wouldn't make sense to have extension tab.

We decided to remove blocklist because it is more complicated to build codes for blocklist.

After Staff Viewpoint

The screenshot shows the 'PAWS R LOAN- Staff' interface. A modal dialog titled 'Swipe student ID' is open, featuring a text input field with a magnifying glass icon and 'Cancel' and 'OK' buttons. In the background, the 'Check Out' tab is active, displaying a table with the following data:

Borrower Name	Category	Item Name	Check Out Date	Check In
Andrew Grubbs	Laptop	MAC-01	2018-12-19	<button>Check In</button>

Staff user clicks on “Loan” for student to swipe id or type student’s university id. Borrower’s information will show on the website. Staff user can select what borrower wants to borrow an item. We have decided to add “Loan” button as a Check out process.

The screenshot shows the 'PAWS R LOAN- Staff' interface with the 'Check Out' tab active. Below the navigation bar, there is a table titled 'Checked Out items' with the following data:

Borrower Name	Category Name	Item Name	Check Out Date	Check In
Andrew Grubbs	Laptop	MAC-01	2018-12-19	<button>Check In</button>

When borrower returned an item to staff, staff can check in item by selecting “Check In” button. We remove many buttons and make it simple on check out viewpoint.

The screenshot shows the 'PAWS R LOAN- Staff' interface with the 'OverDue Items' tab active. Below the navigation bar, there is a table titled 'Checked Out items' with the following data:

Borrower Name	Category Name	Item Name	Due	Numbers of days
---------------	---------------	-----------	-----	-----------------

Staff can see how many days does borrower’s item has not been returned.

[Loan](#)
[Check Out](#)
[OverDue Items](#)
[View Inventory](#)
[View History](#)

Inventory

Manager is able to see what is available in the inventory and items that has been checked out.

Item Category	# items checked out	# items checked in	Total
Laptop	0	2	2

Staff is able to see how many laptop does staff have in the inventory system.

[Loan](#)
[Check Out](#)
[OverDue Items](#)
[View Inventory](#)
[View History](#)

View History

Borrower	Item Type	Item Name	Check Out Date	Due Date	Check In Date
Andrew Grubbs	Laptop	PC-01	2018-12-19	2018-12-12	2018-12-19
Andrew Grubbs	Laptop	MAC-01	2018-12-19	2018-12-27	
Aaron Kelly	Laptop	PC-01	2018-12-19	2018-12-12	2018-12-19
Aaron Kelly	Laptop	MAC-01	2018-12-19	2018-12-12	2018-12-19

This is history inventory.

After Borrower Viewpoint

PAWS R LOAN- Borrower						Logout
History	Check Out Items	Late Items	Policy			
View History						
Borrower	Item Type	Item Name	Check Out Date	Due Date	Check In Date	
Andrew Grubbs	Laptop	PC-01	2018-12-19	2018-12-12	2018-12-19	
Andrew Grubbs	Laptop	MAC-01	2018-12-19	2018-12-27		

Borrower user can only read on history inventory.

PAWS R LOAN- Borrower				Logout
History	Check Out Items	Late Items	Policy	
Checked Out items				
Borrower Name	Category Name	Item Name	Check Out Date	
Andrew Grubbs	Laptop	MAC-01	2018-12-19	

An user can see what item did borrower check out recently.

PAWS R LOAN- Borrower					Logout
History	Check Out Items	Late Items	Policy		
Checked Out items					
Borrower Name	Category Name	Item Name	Due	Numbers of days	

An user can see which item is overdue.

History Check Out Items **Late Items** Policy

Checked Out items

Borrower Name	Category Name	Item Name	Due	Numbers of days
Andrew Grubbs	Laptop	PC-01	2018-12-12	7

This is example of how many days for this item is overdue.

History Check Out Items Late Items **Policy**

Policy

Library Policies are goals of providing access to information and protection of resources.

Name	Action
Laptop	Edit

Borrower user selected a hyperlink for laptop and read the policy.

History Check Out Items

You are viewing the policy for Laptop

Laptop Borrowing policy

I understand that I am responsible for the safe and timely return to the Galvin Library circulation desk of this borrowed laptop. I acknowledge that I have read and understand the Rules of Use listed below. If damages or late fees are incurred I understand that I am responsible for all charges as applicable. I also understand that intentional vandalism will result in being charged up to the full replacement cost of the laptop, plus a processing fee.

Rules of Use:

- Laptops are provided and maintained by the Office of Technology Services (OTS). Problems with the laptop while you have it? Call, email or stop by the OTS Support Desk.

[Close](#)

This is the "Policy" pop up for readable only.