

Here is a quick walkthrough of the functionalities of my project.

Here is my “Tenant” SQL Server database table:

	tenant_id	name	phone_number	email	apartment_nu...	check_in_date	check_out_date
	2	Zach Wilson	943-555-2395	zachbyu@temp....	0	9/1/2023 12:00:...	1/31/2024 12:0...
	3	H. P. Lovecraft	2549874454	scarytimes@de...	1	12/1/2023 12:0...	6/30/2024 12:0...
	4	Dagon Codd	347-998-3421	moatcailin@the...	2	11/14/2023 12:...	12/24/2023 12:...
▶*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Here is my “MaintenanceRequest” SQL Server database table:

	maintenance_r...	image_data	image_file_na...	image_content...	apartment_nu...	room	description	date	status
	11	NULL	NULL	NULL	2	Porch	The light bulb o...	12/8/2023 12:0...	Completed
	21	0x89504E470D0...	leakyfaucet.PNG	image/png	0	Kitchen	The faucet won'...	12/9/2023 12:0...	Pending
	22	0x89504E470D0...	brokenwindow....	image/png	0	Hallway	The window wa...	12/9/2023 12:0...	Pending
	24	NULL	NULL	NULL	1	Bathroom	The toilet keeps...	12/9/2023 12:0...	Completed
	25	0x89504E470D0...	wetceiling.PNG	image/png	0	Kitchen	Water is comin...	12/9/2023 12:0...	Pending
	26	NULL	NULL	NULL	2	Porch	The township is ...	12/9/2023 12:0...	Pending
▶*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Here is the website’s home page. It allows a tenant to login using their apartment number, or a manager or maintenance team member to access their pages using the links at the top. For a project with more requirements, login verification would no doubt be a good idea.

Home page - MaintenanceReq... x +

localhost:7172

Gmail Drive Spotify Chase Discord Penn State Outlook Canvas Sleeper ESPN Fantasy Visa Card Privacy Huis Clos MMM

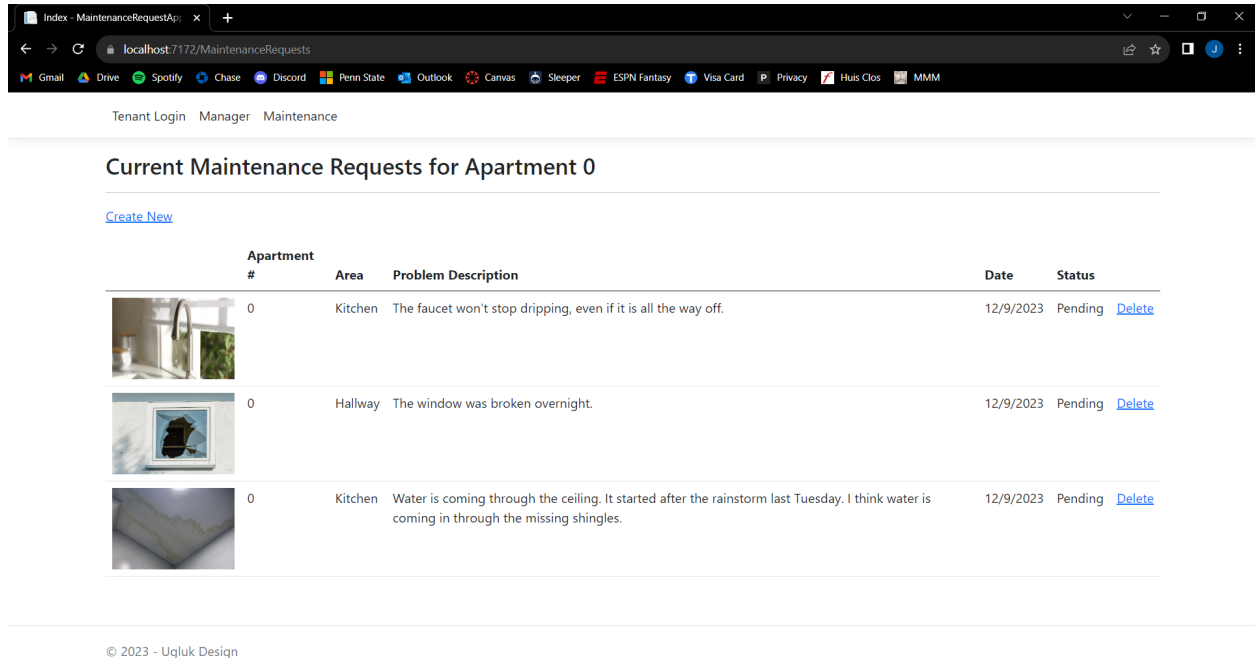
Tenant Login Manager Maintenance

Enter your apartment number:

Login

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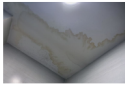
This is the first screen a tenant sees. Notice how only a tenant's own maintenance requests are displayed.



Tenant Login Manager Maintenance

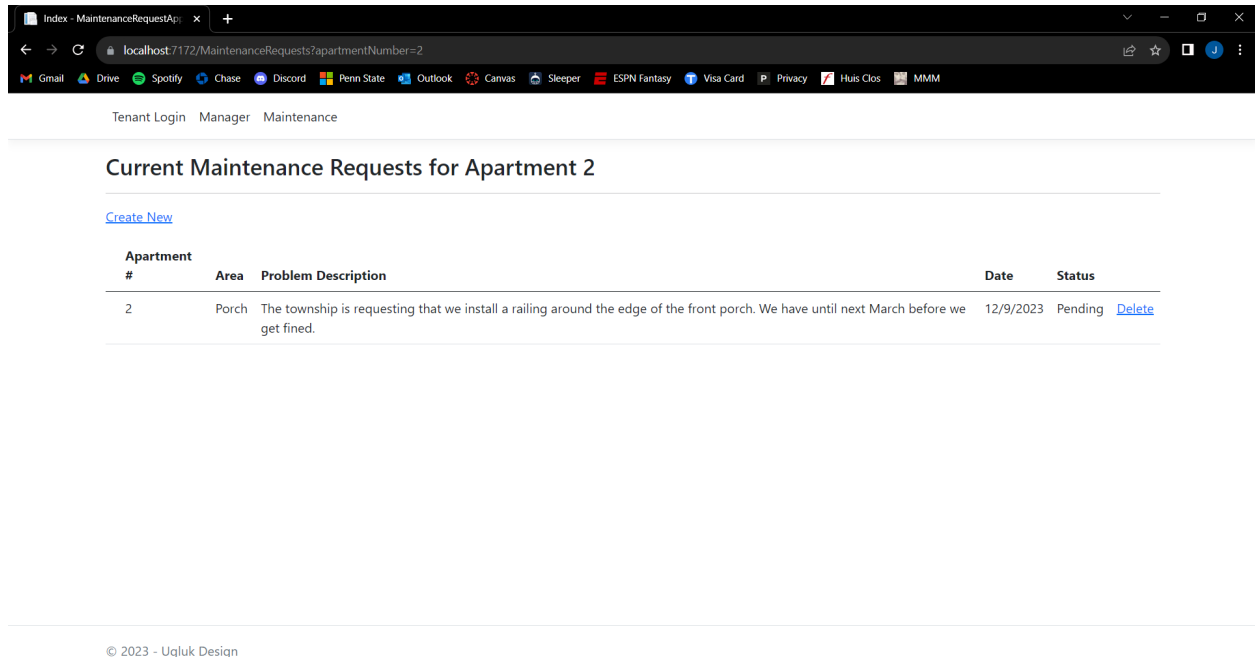
Current Maintenance Requests for Apartment 0

[Create New](#)

Apartment #	Area	Problem Description	Date	Status
 0	Kitchen	The faucet won't stop dripping, even if it is all the way off.	12/9/2023	Pending Delete
 0	Hallway	The window was broken overnight.	12/9/2023	Pending Delete
 0	Kitchen	Water is coming through the ceiling. It started after the rainstorm last Tuesday. I think water is coming in through the missing shingles.	12/9/2023	Pending Delete

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Here is the first screen for another tenant. Notice how only “Pending” maintenance requests are seen. This tenant has another request that is “Completed”.



Tenant Login Manager Maintenance

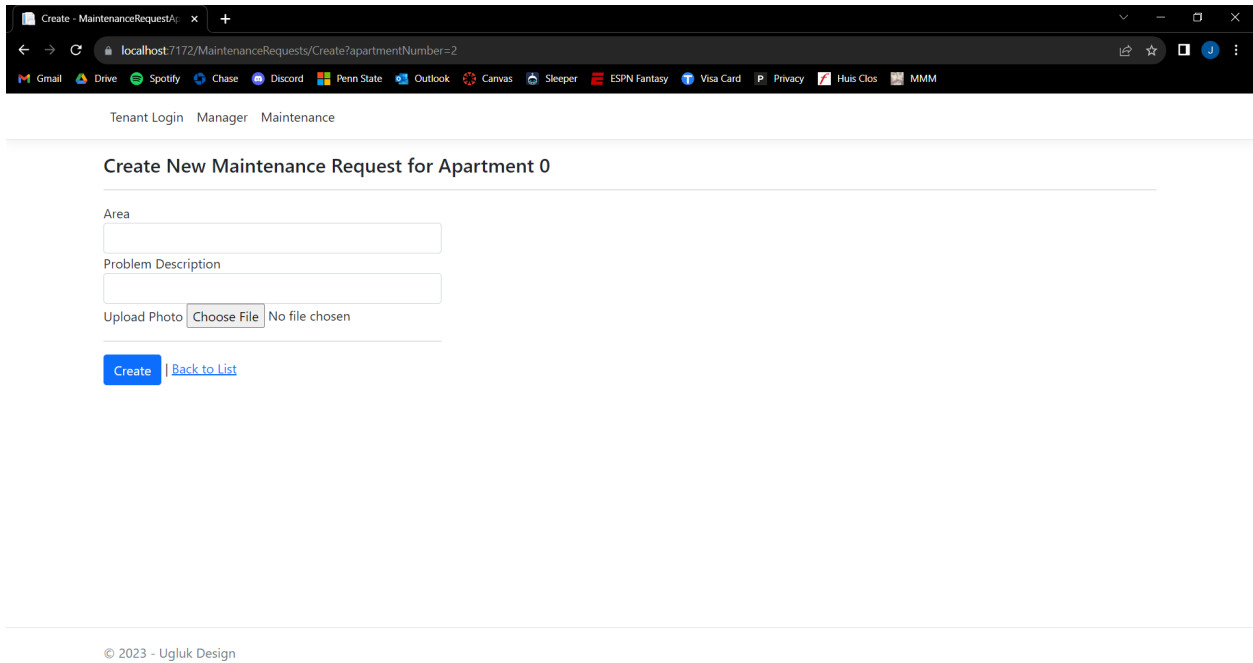
Current Maintenance Requests for Apartment 2

[Create New](#)

Apartment #	Area	Problem Description	Date	Status
2	Porch	The township is requesting that we install a railing around the edge of the front porch. We have until next March before we get fined.	12/9/2023	Pending Delete

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A tenant can create a new maintenance request.



Create - MaintenanceRequestA | x +

localhost:7172/MaintenanceRequests/Create?apartmentNumber=2

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Tenant Login Manager Maintenance

Create New Maintenance Request for Apartment 0

Area

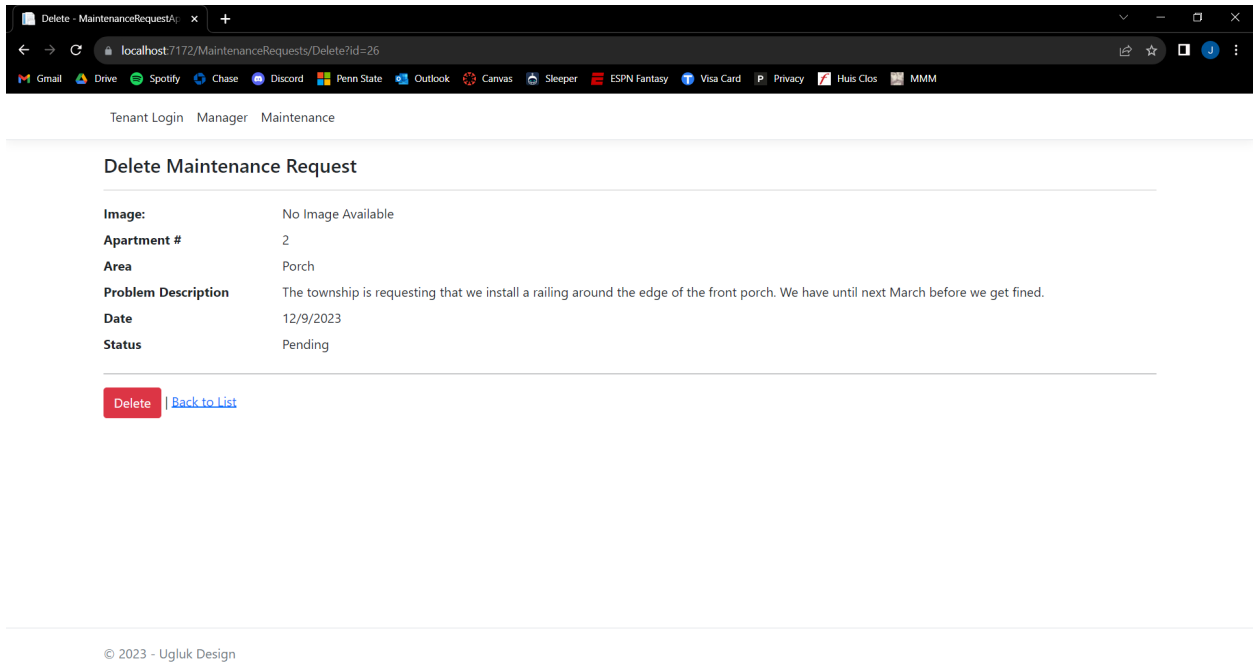
Problem Description

Upload Photo No file chosen

| [Back to List](#)

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And they can delete a maintenance request.



Delete - MaintenanceRequestA | x +

localhost:7172/MaintenanceRequests/Delete?id=26

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Tenant Login Manager Maintenance

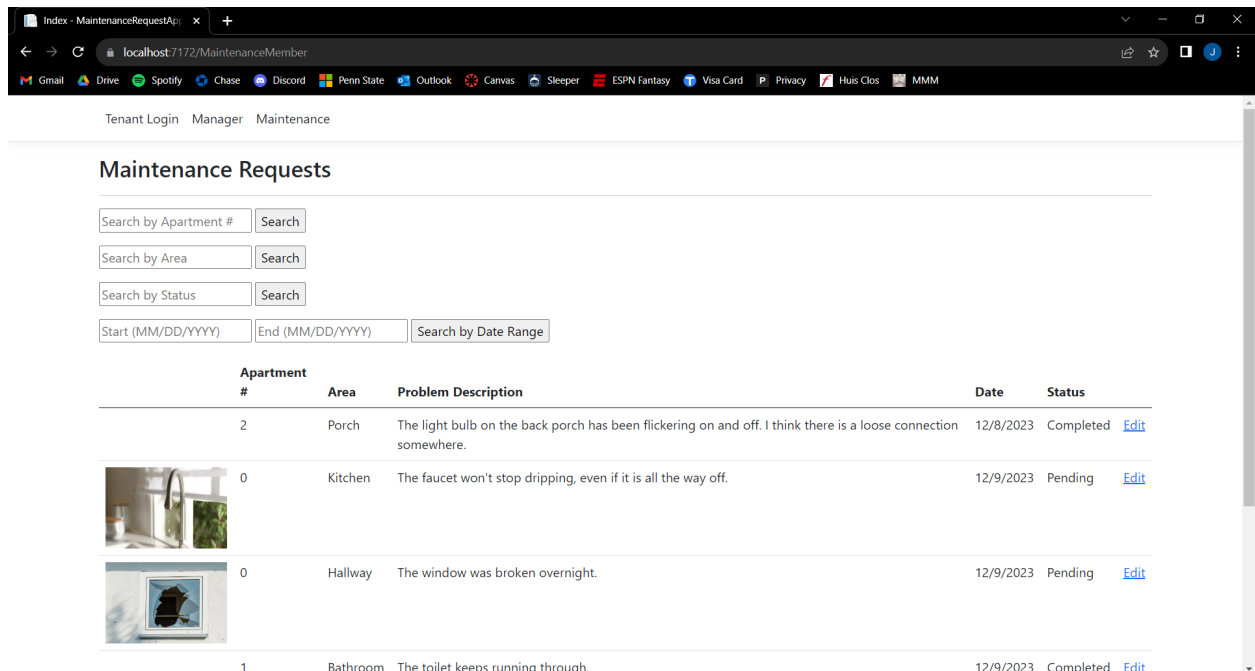
Delete Maintenance Request

Image:	No Image Available
Apartment #	2
Area	Porch
Problem Description	The township is requesting that we install a railing around the edge of the front porch. We have until next March before we get fined.
Date	12/9/2023
Status	Pending

| [Back to List](#)

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Here is the first screen for a maintenance team member:



Tenant Login Manager Maintenance



Maintenance Requests

Search by Apartment #

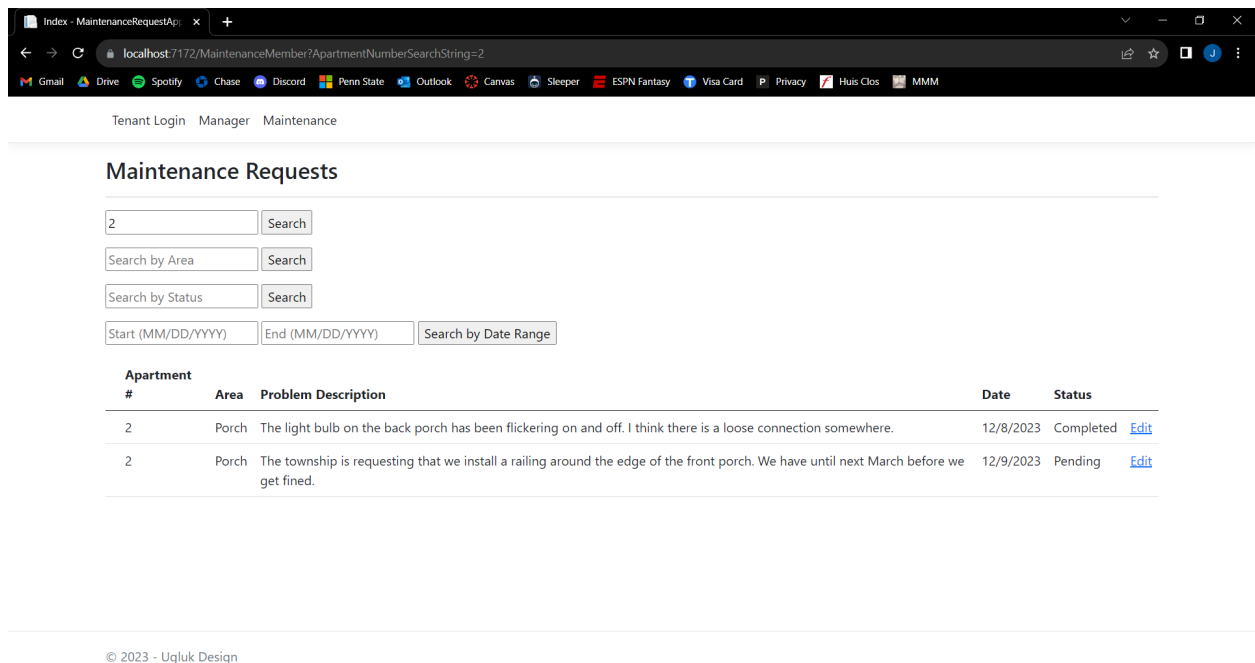
Search by Area

Search by Status

Start (MM/DD/YYYY) End (MM/DD/YYYY)

Apartment #	Area	Problem Description	Date	Status
2	Porch	The light bulb on the back porch has been flickering on and off. I think there is a loose connection somewhere.	12/8/2023	Completed Edit
 0	Kitchen	The faucet won't stop dripping, even if it is all the way off.	12/9/2023	Pending Edit
 0	Hallway	The window was broken overnight.	12/9/2023	Pending Edit
1	Bathroom	The toilet keeps running through.	12/9/2023	Completed Edit

A maintenance team member can sort the maintenance requests by apartment number



Tenant Login Manager Maintenance

Maintenance Requests

2

Search by Area

Search by Status

Start (MM/DD/YYYY) End (MM/DD/YYYY)

Apartment #	Area	Problem Description	Date	Status
2	Porch	The light bulb on the back porch has been flickering on and off. I think there is a loose connection somewhere.	12/8/2023	Completed Edit
2	Porch	The township is requesting that we install a railing around the edge of the front porch. We have until next March before we get fined.	12/9/2023	Pending Edit

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They can sort by area.

Index - MaintenanceRequestAp: x

localhost:7172/MaintenanceMember?AreaSearchString=kitchen

Gmail

Drive

Spotify

Chase

Discord

Penn State

Outlook

Canvas

Sleeper

ESPN Fantasy

Visa Card

Privacy

Huis Clos

MMM

Tenant Login

Manager

Maintenance

Maintenance Requests

Search by Apartment #

Search

kitchen

Search


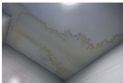
Search by Status

Search

Start (MM/DD/YYYY)

End (MM/DD/YYYY)

Search by Date Range

Apartment #	Area	Problem Description	Date	Status
 0	Kitchen	The faucet won't stop dripping, even if it is all the way off.	12/9/2023	Pending Edit
 0	Kitchen	Water is coming through the ceiling. It started after the rainstorm last Tuesday. I think water is coming in through the missing shingles.	12/9/2023	Pending Edit

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They can sort by status.

Index - MaintenanceRequestAp: x

localhost:7172/MaintenanceMember?StatusSearchString=pending

Gmail

Drive

Spotify

Chase

Discord

Penn State

Outlook

Canvas

Sleeper

ESPN Fantasy

Visa Card

Privacy

Huis Clos

MMM

Tenant Login

Manager

Maintenance

Maintenance Requests

Search by Apartment #

Search

Search by Area

Search




pending

Search

Start (MM/DD/YYYY)

End (MM/DD/YYYY)

Search by Date Range

Apartment #	Area	Problem Description	Date	Status
 0	Kitchen	The faucet won't stop dripping, even if it is all the way off.	12/9/2023	Pending Edit
 0	Hallway	The window was broken overnight.	12/9/2023	Pending Edit
 0	Kitchen	Water is coming through the ceiling. It started after the rainstorm last Tuesday. I think water is coming in through the missing shingles.	12/9/2023	Pending Edit

They can sort by date range.

Index - MaintenanceRequestApp

localhost:7172/MaintenanceMember?StartDateSearchString=12%2F5%2F2023&EndDateSearchString=12%2F8%2F23

Gmail Drive Spotify Chase Discord Penn State Outlook Canvas Sleeper ESPN Fantasy Visa Card Privacy Huis Clos MMM

[Tenant Login](#) [Manager](#) [Maintenance](#)

Maintenance Requests

Search by Apartment #

Search

Search by Area

Search

Search by Status

Search

12/5/2023

12/8/23

Search by Date Range

Apartment #	Area	Problem Description	Date	Status
2	Porch	The light bulb on the back porch has been flickering on and off. I think there is a loose connection somewhere.	12/8/2023	Completed Edit

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And they can edit a maintenance request. Notice that only the status is editable.


Edit - MaintenanceRequestApp

localhost:7172/MaintenanceMember/Edit?id=21

Gmail Drive Spotify Chase Discord Penn State Outlook Canvas Sleeper ESPN Fantasy Visa Card Privacy Huis Clos MMM

[Tenant Login](#) [Manager](#) [Maintenance](#)

Edit Request Status



Apartment #

0

Area

Kitchen

Problem Description

The faucet won't stop dripping, even if it is all the way off.

Date

12/09/2023

Status

Pending

Save

[Back to List](#)

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This is the first page for a manager:

Tenant Login Manager Maintenance

Current Tenants

[Create New](#)

Name	Phone Number	Email	Apartment #	Check In	Check Out	
Zach Wilson	943-555-2395	zachbyu@temp.com	0	9/1/2023	1/31/2024	Edit Delete
H. P. Lovecraft	2549874454	scarytimes@deepones.net	1	12/1/2023	6/30/2024	Edit Delete
Dagon Codd	347-998-3421	moatcailin@theneck.org	2	11/14/2023	12/24/2023	Edit Delete

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A manager can add a new tenant.

Tenant Login Manager Maintenance

Create New Tenant

Name

Phone Number

Email

Apartment #

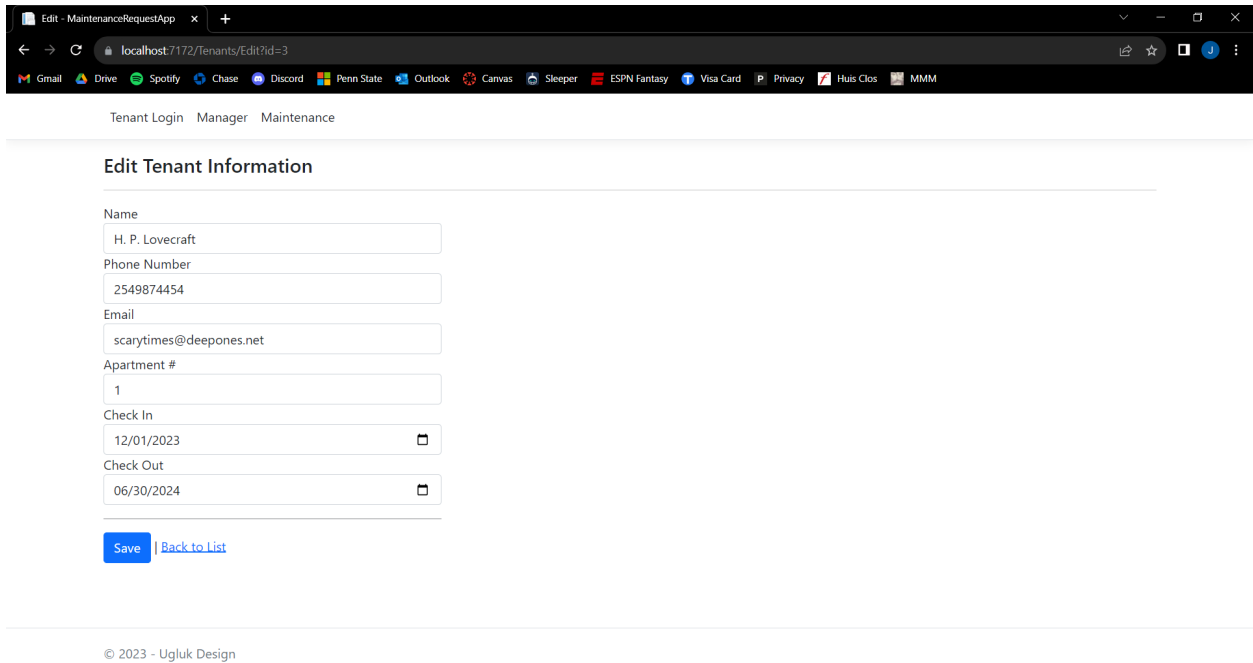
Check In

Check Out

[Create](#) | [Back to List](#)

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They can edit an existing tenant.



The screenshot shows a web browser window with the address bar displaying 'localhost:7172/Tenants/Edit?id=3'. The browser's taskbar at the bottom includes icons for Gmail, Drive, Spotify, Chase, Discord, Penn State, Outlook, Canvas, Sleeper, ESPN Fantasy, Visa Card, Privacy, Huis Clos, and MMM. The application's navigation bar contains 'Tenant Login', 'Manager', and 'Maintenance'. The main heading is 'Edit Tenant Information'. Below this, there is a form with the following fields: 'Name' (H. P. Lovecraft), 'Phone Number' (2549874454), 'Email' (scarytimes@deepones.net), 'Apartment #' (1), 'Check In' (12/01/2023), and 'Check Out' (06/30/2024). Each date field has a calendar icon. At the bottom of the form are a blue 'Save' button and a blue link 'Back to List'. The footer of the page reads '© 2023 - Ugluk Design'.

Tenant Login Manager Maintenance

Edit Tenant Information

Name
H. P. Lovecraft

Phone Number
2549874454

Email
scarytimes@deepones.net

Apartment #
1

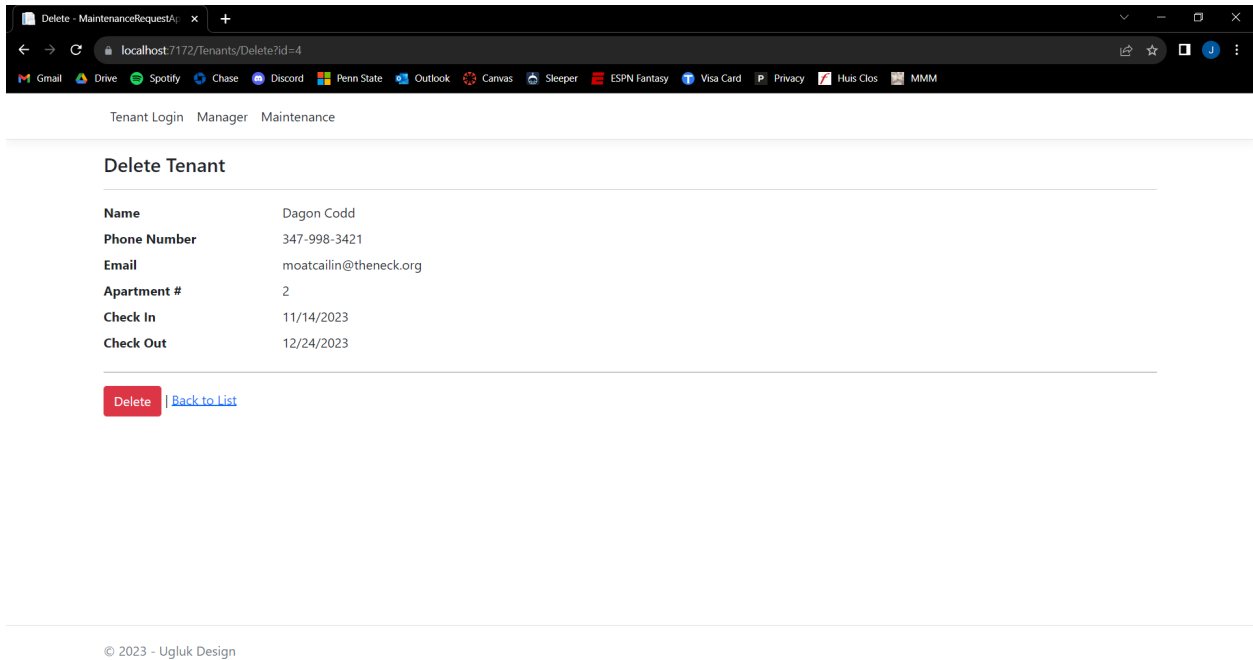
Check In
12/01/2023

Check Out
06/30/2024

[Save](#) | [Back to List](#)

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And they can delete an existing tenant.



The screenshot shows a web browser window with the address bar displaying 'localhost:7172/Tenants/Delete?id=4'. The browser's taskbar at the bottom includes icons for Gmail, Drive, Spotify, Chase, Discord, Penn State, Outlook, Canvas, Sleeper, ESPN Fantasy, Visa Card, Privacy, Huis Clos, and MMM. The application's navigation bar contains 'Tenant Login', 'Manager', and 'Maintenance'. The main heading is 'Delete Tenant'. Below this, there is a form displaying tenant information: 'Name' (Dagon Codd), 'Phone Number' (347-998-3421), 'Email' (moatcailin@theneck.org), 'Apartment #' (2), 'Check In' (11/14/2023), and 'Check Out' (12/24/2023). At the bottom of the form are a red 'Delete' button and a blue link 'Back to List'. The footer of the page reads '© 2023 - Ugluk Design'.

Tenant Login Manager Maintenance

Delete Tenant

Name
Dagon Codd

Phone Number
347-998-3421

Email
moatcailin@theneck.org

Apartment #
2

Check In
11/14/2023

Check Out
12/24/2023

[Delete](#) | [Back to List](#)

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This is the end of the walkthrough.