

CS6308-JAVA PROGRAMMING PROJECT

APARTUS-APARTMENT MANAGEMENT SYSTEM

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ABSTRACT:

Nowadays in metropolitan cities gated communities with thousands of apartments are the most preferred choice for people when it comes to housing requirements thanks to their sophisticated features and security advancements. Such a community cannot be manually managed with conventional paper records as the requirements and functionalities are huge.

It was a huge task as they had to maintain a large database of customers who have bought the flats along with their dates, amount paid etc. They also had to manage the data related to the maintenance activities of all the flat owners. It required lot of time and resources. There was no way to find easily when the customer had to pay the installment for maintenance, etc. details.

To provide a more efficient and sophisticated tenant friendly approach to cater the needs of the members of a community this project is developed. This project helps with various departments like rent, notice, cost etc...

INTRODUCTION:

APART-US is a GUI-based responsive application that helps to manage a multiple apartment community. The overall goal of this system is to keep track of the tenants of the apartment and their day-to-day activities and computing their rents and bills for each month for better security and establishing communication among the members of the community for better sustainability.

In manual record system, the user has to approach individual persons to know about their rents and bills. Sometimes there might be some mistakes in their computations and every time user has to approach individual persons beside their schedule and correct the mistakes.

But if a common application is created for all controllers, it will be easy for the admin for checking and updating their monthly rents, bills, notice about moving in and out.

The main aim of this system is to provide utility to maintain day to day operations of apartments. This application helps them to store all information electronically in a system, which in turn saves lot of time, money and energy.

This will be a secure and cost-effective solution for a particular gated community providing full support to the tenants and the employees without having to reach out for all of the requirements individually.

There are 10 modules totally :

- 1) Home
- 2) Signup
- 3) House Information
- 4) Add Tenant details
- 5) Amount Collected
- 6) Notice
- 7) Rent
- 8) Rent details
- 9) View Tenant details
- 10) Operations

These include Adding Cost for a month including gas, water, electricity bills and updating notice by admin. So that admins can manage the notices.

We are going to use these 10 modules to efficiently operate an Apartment. We have proposed a model of the effective system via Graphical user Interface.

Software used: NetBeans

Binary format: JDK 8

Profile: Full JRE

Encoding: UTF-8

Technologies used:

- **Front end- XML**

- Extensible Markup Language is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable.

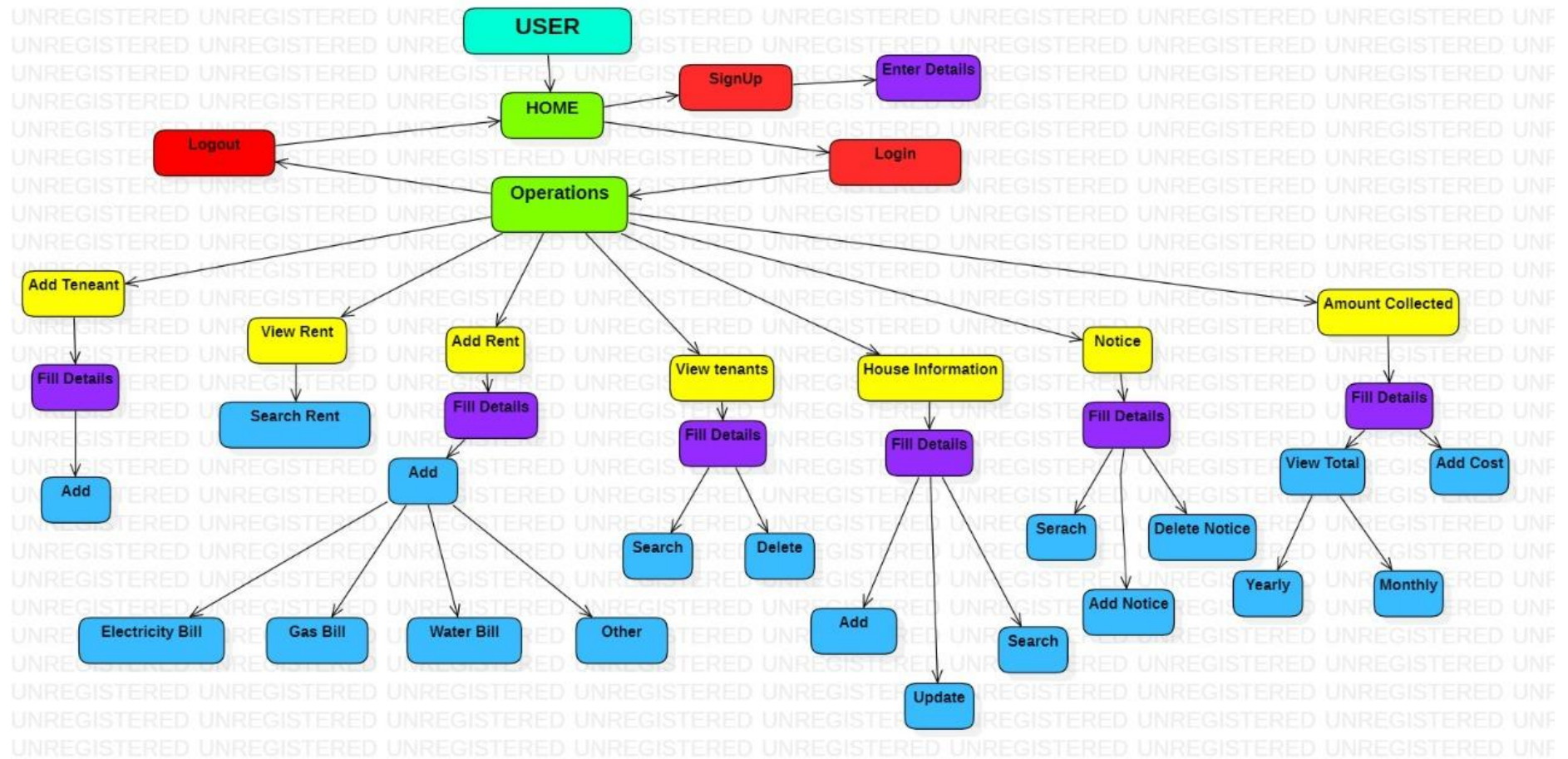
- **Back end- JAVA**

- We have used AWT, Swing with event driving actions to build this

- **Database- MySQL**

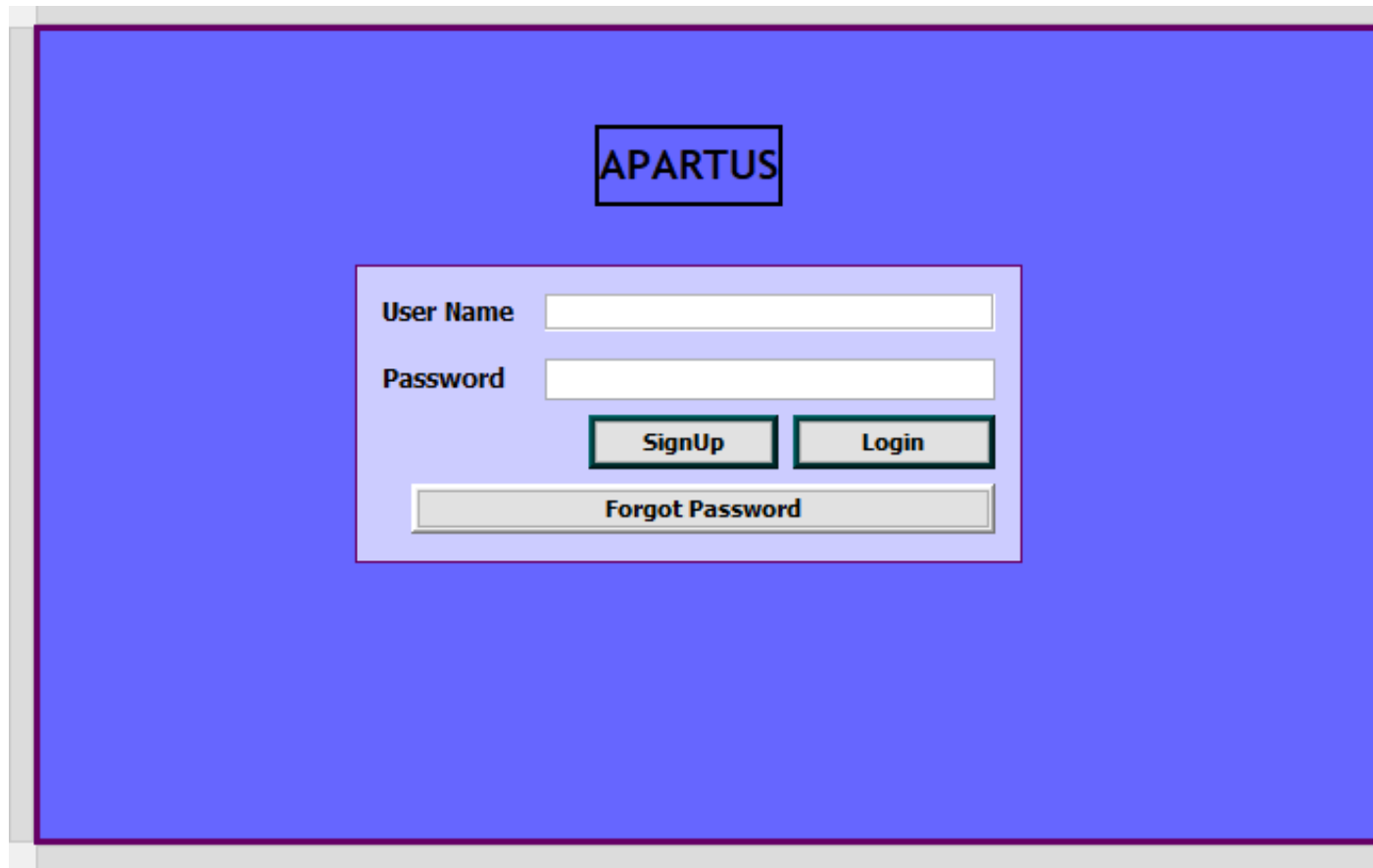
- We have used Apache and MySQL server via Xampp and constructed the database using phpMyAdmin

ARCHITECTURE DIAGRAM:



MODULES:

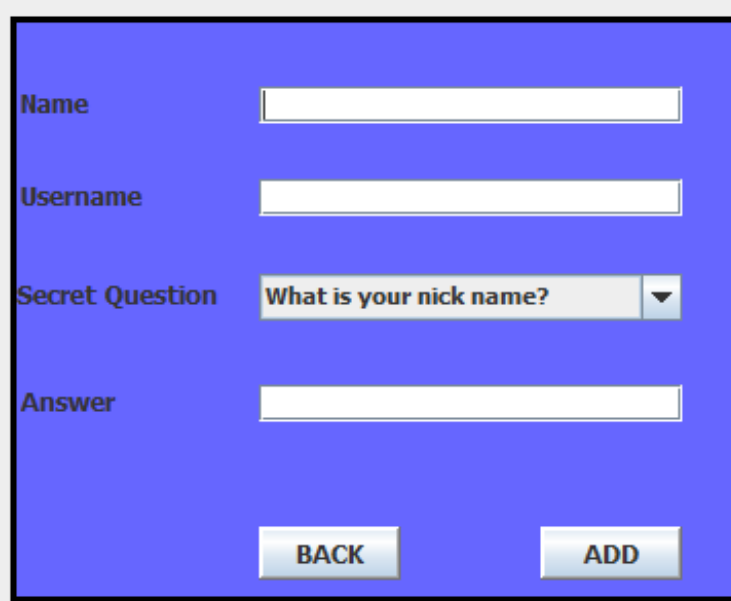
HOME:

A screenshot of a web application's login page. The page has a solid blue background. At the top center, the word "APARTUS" is displayed in a black, sans-serif font, enclosed within a thin black rectangular border. Below this, centered on the page, is a light purple rectangular box with a thin purple border. Inside this box, the text "User Name" is followed by a white rectangular input field. Below that, the text "Password" is followed by another white rectangular input field. Under the password field, there are two buttons: "SignUp" and "Login", both with a grey gradient and a thin black border. At the bottom of the purple box is a single button labeled "Forgot Password", also with a grey gradient and a thin black border.

This is the main home page that admins will be getting when they open the interface. If they have to add details about a new tenant, they can create a new account for him and

then add their details. If the tenant is already registered by the admin, they can directly login and experience the other facilities built up.

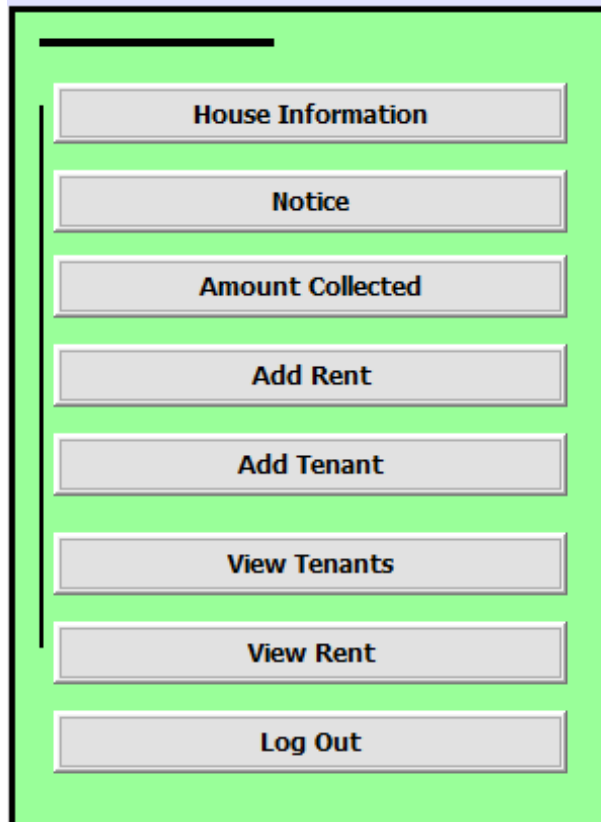
SIGN UP:



The image shows a sign-up form with a blue background. It contains four input fields: 'Name', 'Username', 'Secret Question' (a dropdown menu), and 'Answer'. At the bottom are two buttons: 'BACK' and 'ADD'.

This is the sign up where the admin has to add the new user to register in the application by filling the details. Once the admin gives the user details and signs up. Their Information will be added in the database and then they can login.

OPERATION:



This page is second home page containing operations that directs to other pages like Notice, Rents and bills, House Information page, Tenant list, Rent details, logout etc....
[Main home page directs to signup]

AMOUNT COLLECTED:

Apart No <input type="text"/> Month <input type="text" value="...."/> Year <input type="text" value="2017"/> <User Code> <input type="text"/> Amount <input type="text"/> Yearly Total Cost Amount <input type="text"/> Select Year First <input type="button" value="VIEW"/> <input type="button" value="ADD COST"/> <input type="button" value="BACK"/>	Title 1	Title 2	Title 3	Title 4
Monthly Total Cost Amount <input type="text"/>		<input type="button" value="Total"/>	Select month first	

This is the page where an admin can view a user's yearly and monthly rent details by them.

They can view their expenditure history or add a new rent entry into their table.

They should enter the valid entries for all questions so that they can view their expenditure history and all.

HOUSE INFORMATION:

House No
Rent
Tk

Floor
1st
Unit
A

Details
2 Bed + 1 Drawing + 1 Dinning + 1 Kitchen + 2 B...

About
Free
ADD

Floor
Rent
Tk

About
Free
Unit

Update

House No

Floor
1st
Search

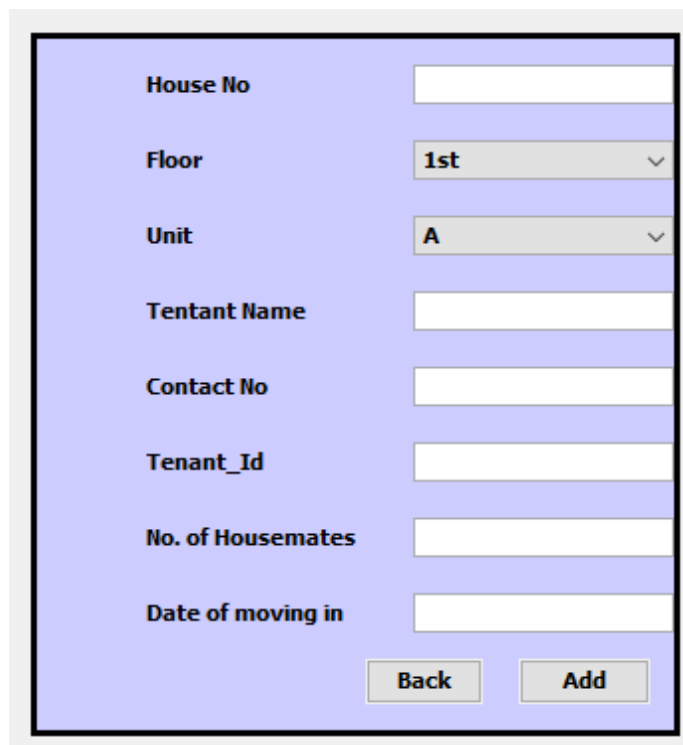
Status

Back

Title 1	Title 2	Title 3	Title 4

House Information page is the one which provides information about each and every house, its unit, its structure, its residential status etc... An admin can enter the details of the flat and add it to the flats history or he can update any old detail of the flat. An admin can also search about a particular flat and can know about it.

ADD TENANT:

A screenshot of a web form titled 'ADD TENANT' with a light blue background. The form contains several input fields and two buttons at the bottom. The fields are: 'House No' (text input), 'Floor' (dropdown menu showing '1st'), 'Unit' (dropdown menu showing 'A'), 'Tentant Name' (text input), 'Contact No' (text input), 'Tenant_Id' (text input), 'No. of Housemates' (text input), and 'Date of moving in' (text input). The buttons are 'Back' and 'Add'.

House No	<input type="text"/>
Floor	1st
Unit	A
Tentant Name	<input type="text"/>
Contact No	<input type="text"/>
Tenant_Id	<input type="text"/>
No. of Housemates	<input type="text"/>
Date of moving in	<input type="text"/>
<input type="button" value="Back"/> <input type="button" value="Add"/>	

Add tenant page is for the use of adding the tenant who is going to be residing in the residential flat. We should enter the flat details such as House no, floor, unit, tenant

name, contact number, Tenant_id provided in person, Number of housemates moving in with the tenant and date of moving in. And then add it Include it in the flat history.

VIEW TENANT DETAILS:

House No	<input type="text"/>	Floor	1st	Unit	A	Status	<input type="text"/>
Tenant_Id	<input type="text"/>						<User Code>
<input type="button" value="Show"/>						<input type="button" value="Delete"/>	
<input type="button" value="Back"/>							

Title 1	Title 2	Title 3	Title 4

Here we can search about the Tenant details in the house if it is rented for anyone. It shows the tenant's name, the house where they are rented, contact number, tenant id etc...

NOTICE:

<div><div>House No <input type="text"/></div><div>Floor <div>1st</div> ▼</div><div>Unit <div>A</div> ▼</div><div>Status <div></div> ▼</div><div>Date <input type="text"/></div><div>ADD NOTICE</div></div>		<div><div>House No <input type="text"/></div><div>Floor <div>1st</div> ▼</div><div>Unit <div>A</div> ▼</div><div>SEARCHDELETE</div><div>Status <input type="text"/></div><div>BACK</div><div>REFRESH</div></div>																								
<table border="1"><thead><tr><th>Title 1</th><th>Title 2</th><th>Title 3</th><th>Title 4</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td colspan="4"></td></tr></tbody></table>			Title 1	Title 2	Title 3	Title 4																				
Title 1	Title 2	Title 3	Title 4																							

The notice page is for the use of admin. They can add a notice if someone is moving in or out. The admin will receive the notice by entering their house number and search and once they have done moving in or out, the admin can delete the notice.

RENT:

House No	<input type="text"/>
Floor	<input type="text" value="1st"/>
Unit	<input type="text" value="A"/>
Date	<input type="text"/>
Rent	<input type="text"/>
Water Bill	<input type="text"/>
Electricity Bill	<input type="text"/>
Gas Bill	<input type="text"/>
Others	<input type="text"/>
Total	<input type="text"/>
Status	<input type="text" value="Paid"/>
<input type="button" value="Back"/> <input type="button" value="Add"/>	

House rent page is for Total house rent bill to be paid. This Rent Page contains the information about electricity, water and gas bills of the tenant living in the house for every month. The paid status can be changed according to the payment of bills.

VIEW RENT DETAILS:

House No

Date

Floor

1st ▾

Unit

A ▾

Show Rent

Delete

Back

Title 1	Title 2	Title 3	Title 4

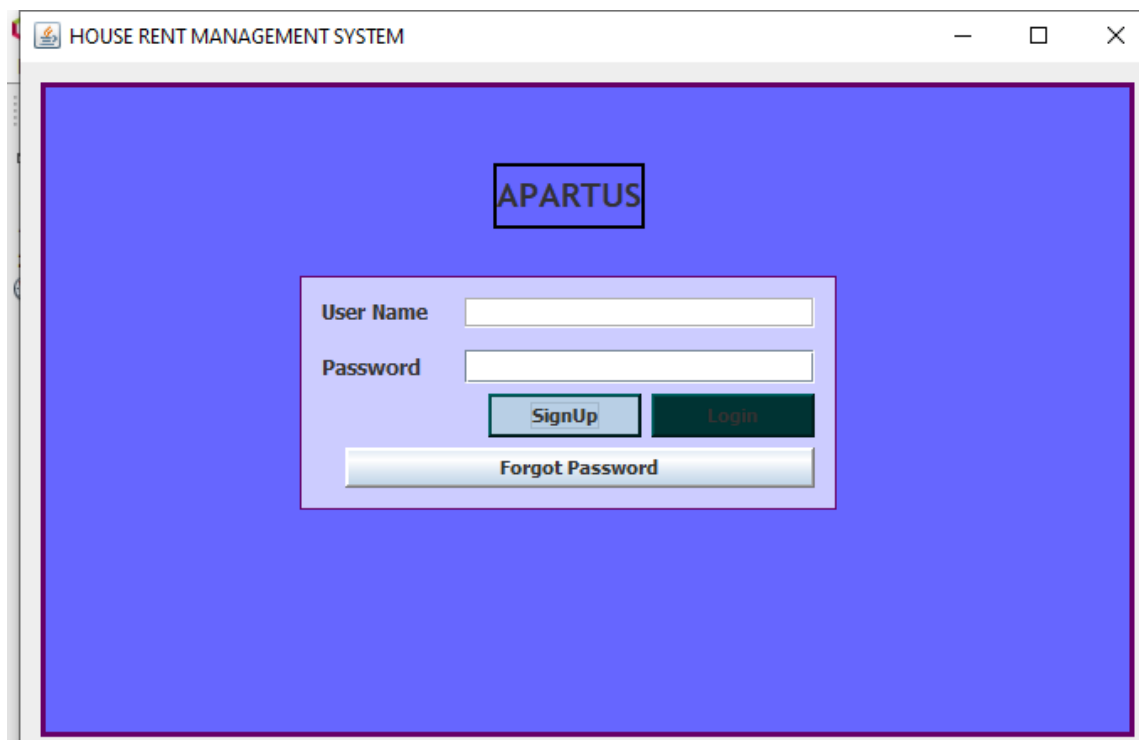
This page shows the exclusive information about the tenant's bills and the bill amount etc... users can search their rents and bills by entering their house number and date.

We can delete the bill details if we want to.

RESULT:

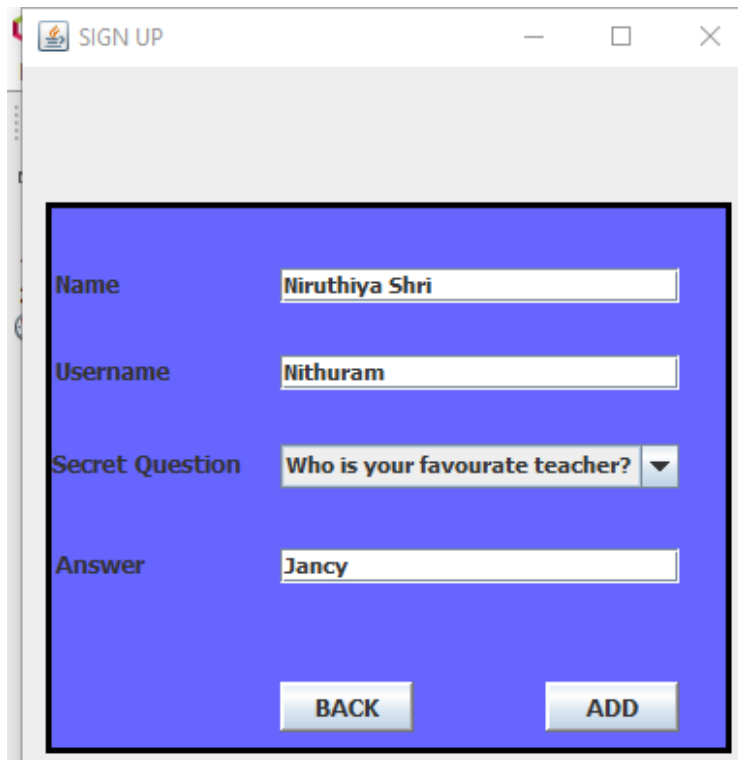
A user(admin) is newly entering the application. He has to sign up into the this.

Signing – Up:



The screenshot shows a web application window titled "HOUSE RENT MANAGEMENT SYSTEM". The main content area has a blue background. At the top center, the word "APARTUS" is displayed in a black box. Below it, there is a white rectangular box containing the login and registration form. The form includes two input fields: "User Name" and "Password". Below these fields are two buttons: "SignUp" (light blue) and "Login" (dark green). At the bottom of the form is a button labeled "Forgot Password".

The admin has to enter the user details to add them into the database

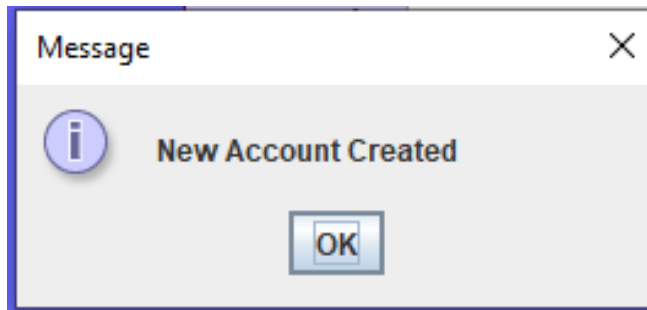


A screenshot of a 'SIGN UP' window with a blue background. The window contains four input fields: 'Name' with the value 'Niruthiya Shri', 'Username' with the value 'Nithuram', 'Secret Question' with a dropdown menu showing 'Who is your favourite teacher?', and 'Answer' with the value 'Jancy'. At the bottom, there are two buttons: 'BACK' and 'ADD'.

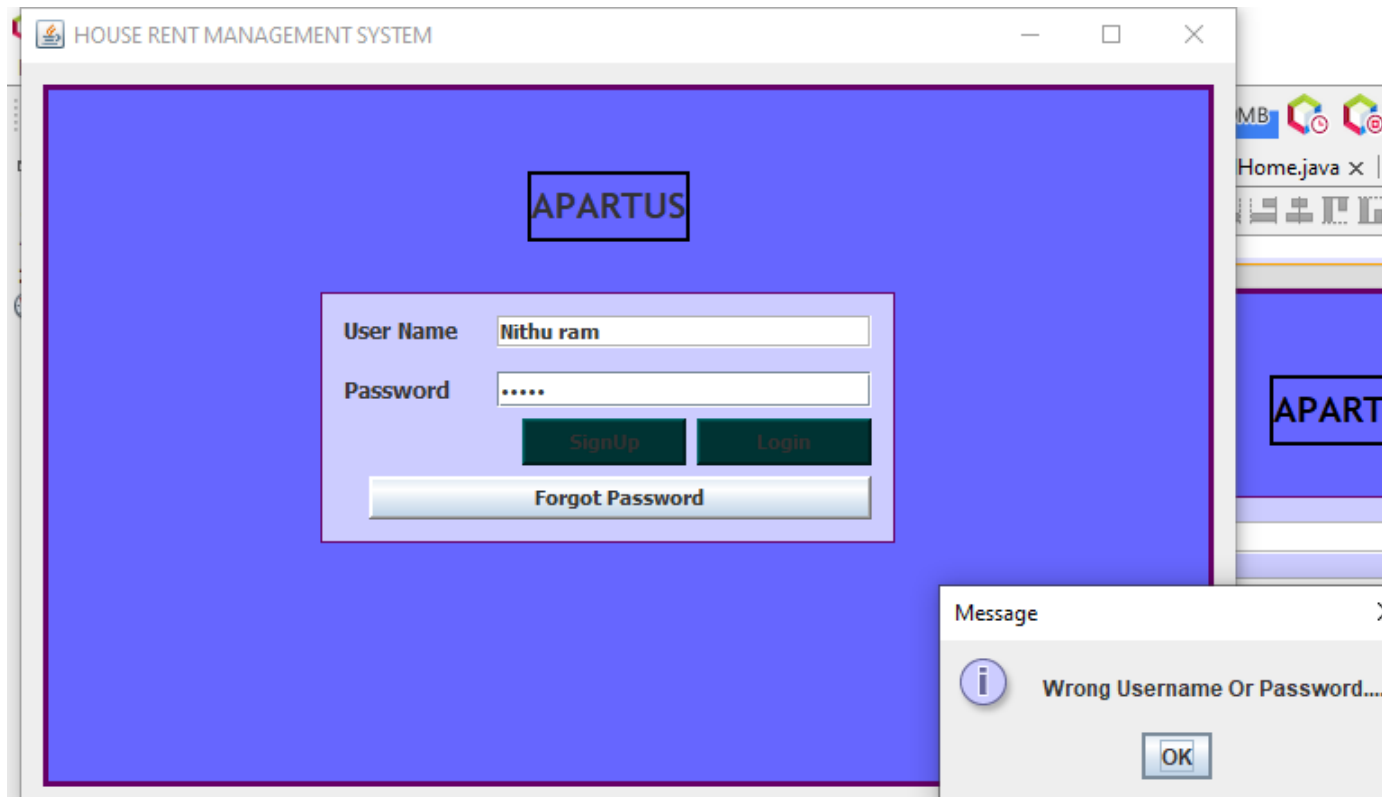
Name	Niruthiya Shri
Username	Nithuram
Secret Question	Who is your favourite teacher?
Answer	Jancy

BACK ADD

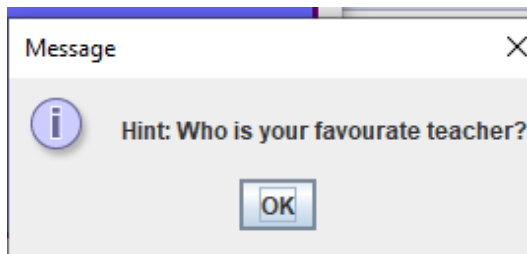
When the user's details have been added to the database, it shows a popup message.



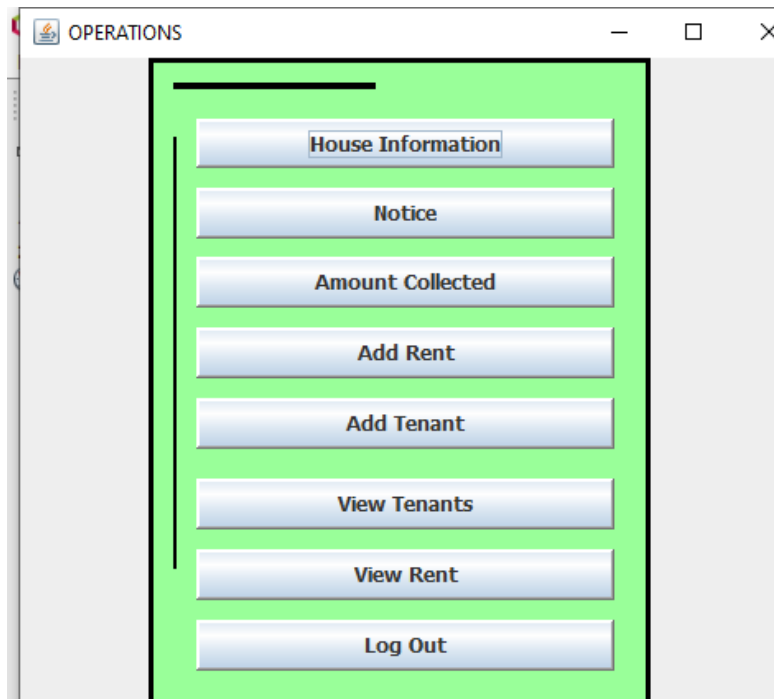
Now the admin can login with the user credentials to change or add details about them. If Any given detail is wrong, it shows a pop up message.



Also when you forgot password, it gives you the hint.



Once you have logged in, you will be directed to second home from where you can access all other pages.



HOUSEINFORMATION PAGE:

Once you enter the details like house number, Rent amount, floor and unit, Infrastructure, and residential status of the house and add it, it gets successfully added to the database. And the list of other houses added will be shown below.

HouseInfo Add

House No

Rent

Floor

Unit

Details

About

ADD

House No

Floor

Status

Search

Floor

Rent

About

Unit

Update

Back

No	House_No	Floor	Rent	About
1	10	1st	A	Free
2	20	2nd	A	Free
3	30	3rd	A	Sold

Message

i

Successfully Added.....!!!

OK

The newly entered house 25 has been added to the list.

House No

Rent

Floor

Unit

Details

About

ADD

House No

Floor

Status

Search

Floor

Rent

About

Unit

Update

Back

No	House_No	Floor	Unit	Details	Rent	About
1	10	1st	A	2 Bed + 1 Drawing + 1 ...	1000	Free
2	20	2nd	A	2 Bed + 1 Drawing + 1 ...	2000	Free
3	30	3rd	A	Single Room + Single ...	3000	Sold
4	25	3rd	B	2 Bed + 1 Drawing + 1 ...	15000	Free

If you want to update any detail of already added house like Floor, rent, residential status and unit etc... You can enter it and update it.

Now the residential status of house number 25 has been updated from free to booked.

House No

Rent

Floor

Unit

Details

About

ADD

House No

Floor

Status

Search

Floor

Rent

About

Unit

Update

Back

No	House_No	Floor	Unit	Details	Rent	About
1	10	1st	A	2 Bed + 1 Drawing + 1 ...	1000	Free
2	20	2nd	A	2 Bed + 1 Drawing + 1 ...	2000	Free
3	30	3rd	A	Single Room + Single ...	3000	Sold
4	25	3rd	B	2 Bed + 1 Drawing + 1 ...	15000	Booked

You can also search any House in the search box. If it present it will show and the status will be “found”.

House No

Rent

Floor

Unit

Details

About

ADD

House No

Floor

Status

Search

Floor

Rent

About

Unit

Update

Back

No	House_No	Floor	Unit	Details	Rent	About
1	10	1st	A	2 Bed + 1 Drawing + 1 ...	1000	Free

If not found, it shows empty row and status will be “not found”

House No

25

Rent

15000

Floor

3rd

Unit

B

Details

2 Bed + 1 Drawing + 1 Dinning + 1 Kitchen + 2 Bath

About

Free

ADD

Floor

3rd

Rent

15000

About

Booked

Unit

B

Update

House No

11

Floor

1st

Search

Status

Not Found

Back

NOTICE PAGE:

Here the admin can update the notice of moving out or in. And the notice will be added in the list below.

Notice

House No

Floor

Unit

Status

Date

House No

Floor

Unit

Status

No	House_No	Floor	Unit	
4	30	3rd	A	MOV

Message

Successfully Added.....!!!

You can also search if the particular house has any notice and can delete if you notice is not needed.

Notice

House No

25

Floor

3rd

Unit

B

Status

MOVING IN

Date

12-05-2021

ADD NOTICE

House No

30

Floor

3rd

Unit

A

SEARCHDELETE

Status

Found

BACK

REFRESH

No	House_No	Floor	Unit	Status	Date
4	30	3rd	A	MOVING OUT	6-7-8

Notice

House No

Floor

Unit

Status

Date

ADD NOTICE

House No

Floor

Unit

SEARCH DELETE

Status

BACK

REFRESH

No	House_No	Floor	Unit	
4	30	3rd	A	MOV

Message

i

Successfully Deleted.....!!!

OK

After deleting,

Notice

House No

Floor

Unit

Status

Date

ADD NOTICE

House No

Floor

Unit

SEARCH DELETE

Status

BACK

REFRESH

No	House_No	Floor	Unit	Status	Date
5	25	3rd	B	MOVING IN	12-05-2021

AMOUNT COLLECTED PAGE:

Here the admin can enter the purpose and rent for any month and can either view the total yearly rent and also can add the rent to the list.

Viewing yearly expenditure,

Cost

Apert No

Month

Year

Purpose

Amount

Yearly Total Cost Amount

Select Year First

No	House_No	Month	Year	Purpose	Amount
1	11	JAN	2018	HHH	900
2	12	FEB	2018	JJJ	800
3	13	FEB	2018	GGG	600
4	30	FEB	2018	RRR	3000

Monthly Total Cost Amount Select month first

Adding rent,

Cost

Apert No 25

Month JUNE

Year 2018

Purpose AABCD

Amount 1000

Yearly Total Cost Amount

5300

Select Year First

VIEW

ADD COST BACK

No	House_No	Month	Year	Purpose	Amount
1	11	JAN	2018	HHH	900
2	12	FEB	2018	JJJ	800
3	13	FEB	2018	GGG	600
4	30	FEB	2018	RRR	3000
5	25	JUNE	2018	AABCD	1000

Monthly Total Cost Amount Total Select month first

You can also view the monthly total rent amount,

Cost

Apert No

Month

Year

Purpose

Amount

Yearly Total Cost Amount

Select Year First

No	House_No	Month	Year	Purpose	Amount
1	11	JAN	2018	HHH	900
2	12	FEB	2018	JJJ	800
3	13	FEB	2018	GGG	600
4	30	FEB	2018	RRR	3000
5	25	JUNE	2018	AABCD	1000

Monthly Total Cost Amount Select month first

RENT PAGE:

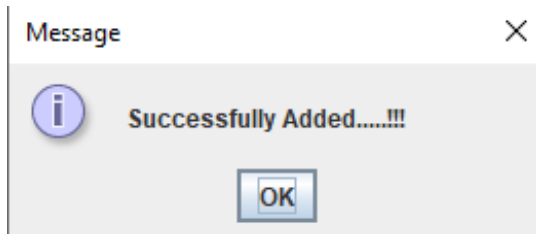
The admin can add the rent details that tenant have to pay along with other bills like electricity, gas and water and can update the status of the payment status.

A screenshot of a web application window titled "Rent". The window has a light blue background and a white border. It contains a form with the following fields:

House No	25
Floor	3rd
Unit	B
Date	25-11-2021
Rent	15000
Water Bill	8000
Electricity Bill	2000
Gas Bill	1500
Others	650
Total	27150
Status	Pending

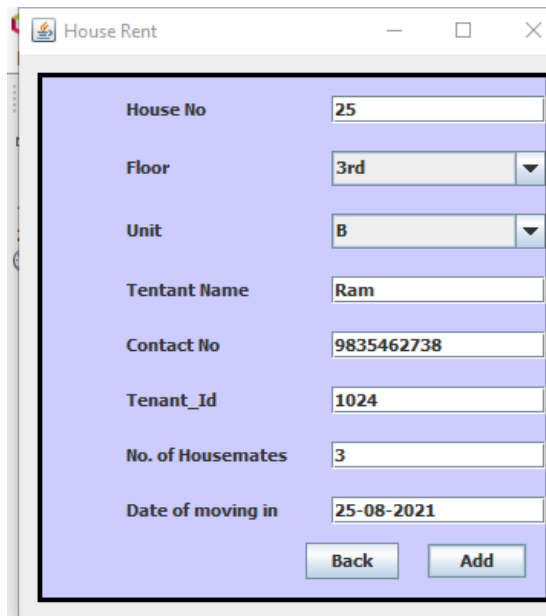
At the bottom of the form, there are two buttons: "Back" and "Add".

Once the details are added to the database, a pop up message shows up.



ADD TENANT DETAILS PAGE:

This page is for adding the moving in tenant details.[by admin]



The screenshot shows a web application window titled "House Rent". The window contains a form with the following fields and values:

Field	Value
House No	25
Floor	3rd
Unit	B
Tenant Name	Ram
Contact No	9835462738
Tenant_Id	1024
No. of Housemates	3
Date of moving in	25-08-2021

At the bottom of the form, there are two buttons: "Back" and "Add".

VIEWING TENANT DETAILS PAGE:

Here the admin can view the user status and search particular tenant's status.

House Tenant Details

House No Floor Unit Status

Tenant_Id

House_No	Floor	Unit	Tenant_Name	Contact	Tenant_Id	Family_Member	Date
20	2nd	A	shri	987987897	8799	3	3-4-5
30	1st	A	farook	9585068767	9827	4	7-8-7
25	3rd	B	Ram	9835462738	1024	3	25-08-2021

If the particular tenant being searched is found, it shows it .If not, it shows a blank row and status will be changed to not found.

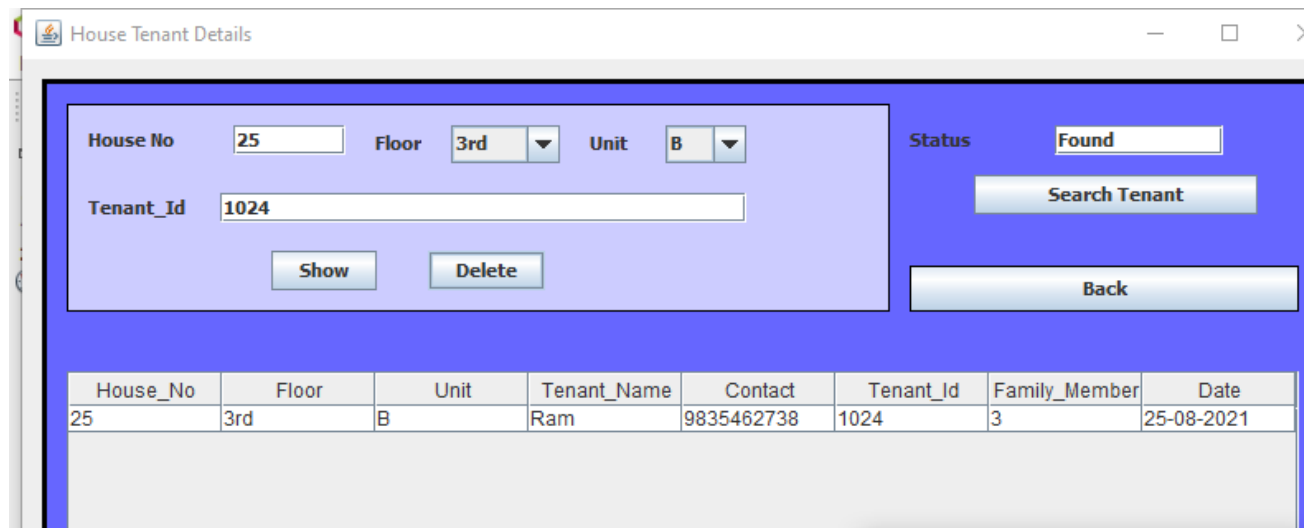
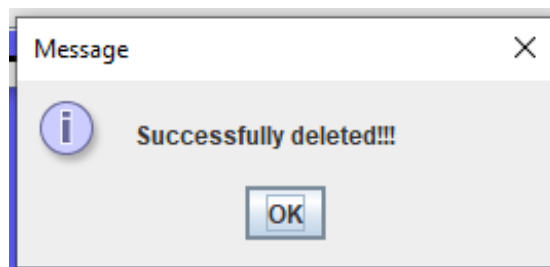
House Tenant Details

House No Floor Unit Status

Tenant_Id

House_No	Floor	Unit	Tenant_Name	Contact	Tenant_Id	Family_Member	Date
25	3rd	B	Ram	9835462738	1024	3	25-08-2021

Admin can also delete the tenant details.

A screenshot of a web application window titled "House Tenant Details". The form has a blue header and a light blue body. It contains search fields for "House No" (25), "Floor" (3rd), "Unit" (B), and "Tenant_Id" (1024). There are "Show" and "Delete" buttons below the search fields. To the right, there is a "Status" field (Found), a "Search Tenant" button, and a "Back" button. Below the form is a table with 8 columns: House_No, Floor, Unit, Tenant_Name, Contact, Tenant_Id, Family_Member, and Date. The table contains one row of data: 25, 3rd, B, Ram, 9835462738, 1024, 3, 25-08-2021.

House_No	Floor	Unit	Tenant_Name	Contact	Tenant_Id	Family_Member	Date
25	3rd	B	Ram	9835462738	1024	3	25-08-2021

After deleting, remaining list of tenants will be shown.

House Tenant Details

House No: 25 Floor: 3rd Unit: B Status: Found

Tenant_Id: 1024

Show Delete Search Tenant Back

House_No	Floor	Unit	Tenant_Name	Contact	Tenant_Id	Family_Member	Date
20	2nd	A	shri	987987897	8799	3	3-4-5
30	1st	A	farook	9585068767	9827	4	7-8-7

Viewing Rent page:

The admin can search particular user's rent and bills updates in this page.

Rent Details

House No Date

Floor Unit

House_No	Floor	Unit	Rent	Electricity...	Gas_Bill	Water_bill	Other_Ch...	Total	Date
25	3rd	B	15000	2000	1500	8000	650	27150	25-11-20...

If they want to delete it, they can.

The screenshot shows a web application window titled "Rent Details". It contains a form with the following fields:

- House No: 25
- Date: 15-11-2021
- Floor: 3rd (dropdown menu)
- Unit: B (dropdown menu)

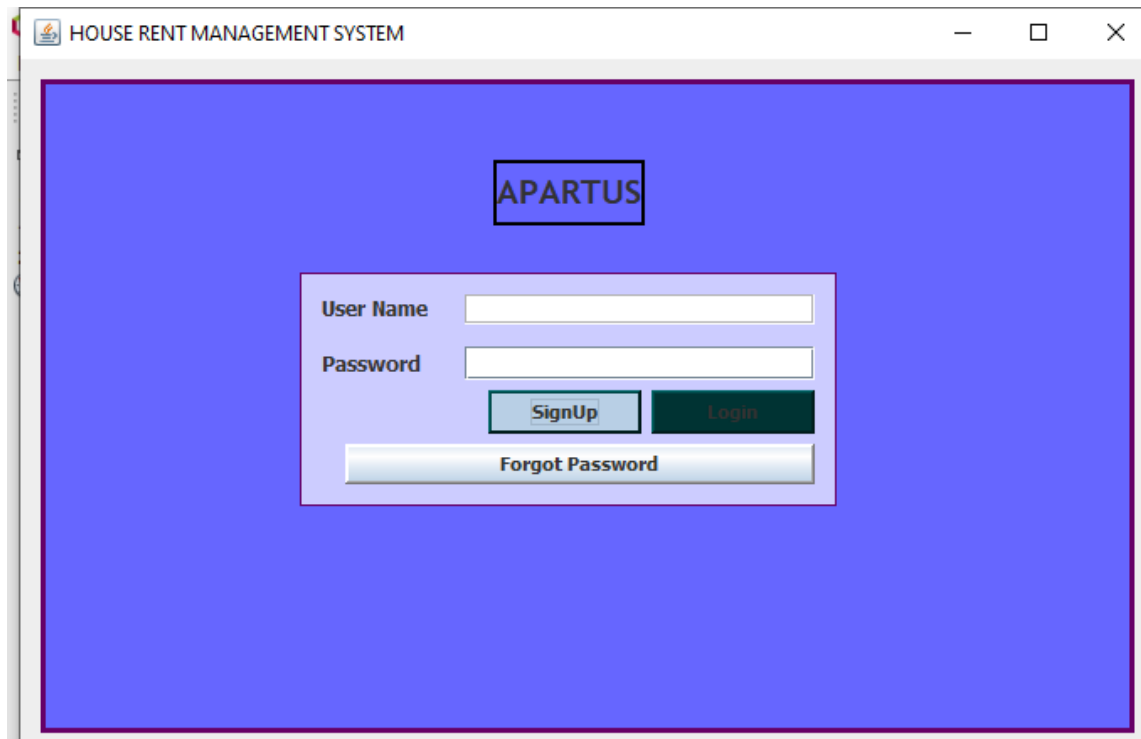
Below the form are three buttons: "Show Rent", "Delete", and "Back".

At the bottom of the window is a table with the following data:

House_No	Floor	Unit	Rent	Electricity...	Gas_Bill	Water_bill	Other
25	3rd	B	15000	2000	1500	8000	650

A "Message" dialog box is overlaid on the table, displaying the text "Successfully deleted.....!!!". The dialog box has an "OK" button.

These are the total features in this Apartment management system, Now the admin wants to log out they will be directed to the Home page.



DATABASE:

We have created 6 tables each for User Login, Rent information, House information, Tenant details, Notice details, and cost details.

LOGIN :

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	No	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	Name	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	Username	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	Sec_Q	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	Answer	text	utf8mb4_general_ci		No	None			Change Drop More

		No	Name	Username	Sec_Q	Answer
<input type="checkbox"/>	Edit Copy Delete	1	jey	jey	What is your mother name?	mom
<input type="checkbox"/>	Edit Copy Delete	2	shri	nithu	Where do you live in?	cdm
<input type="checkbox"/>	Edit Copy Delete	4	farook	far	Who is your favourite Person?	terror
<input type="checkbox"/>	Edit Copy Delete	5	Niruthiya Shri	Nithuram	Who is your favourate teacher?	Jancy

HOUSE INFORMATION:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	No	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	House_No	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	Floor	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	Unit	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5	Details	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	6	Rent	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	7	About	text	utf8mb4_general_ci		No	None			Change Drop More

TENANT INFORMATION:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	No	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	House_No	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	Floor	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	Unit	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5	Tenant_Name	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	6	Contact	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	7	Tenant_Id	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	8	Family_Member	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	9	Date	text	utf8mb4_general_ci		No	None			Change Drop More

		No	House_No	Floor	Unit	Tenant_Name	Contact	Tenant_Id	Family_Member	Date
<input type="checkbox"/> Edit Copy Delete	2	20	2nd	A	shri	987987897	8799	3		3-4-5
<input type="checkbox"/> Edit Copy Delete	3	30	1st	A	farook	9585068767	9827	4		7-8-7
<input type="checkbox"/> Edit Copy Delete	5	28	1st	A	Latha	9835462738	2430	4		12-09-201
<input type="checkbox"/> Edit Copy Delete	6	21	3rd	A	Vetri	9832532738	22438	4		19-09-201

RENT:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	No	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	House_No	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	Floor	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	Unit	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5	Rent	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	6	Electricity_Bill	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	7	Gas_Bill	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	8	Water_Bill	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	9	Other_Charges	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	10	Total	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	11	Status	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	12	Date	text	utf8mb4_general_ci		Yes	NULL			Change Drop More

Property Management System																			
				No	House_No	Floor	Unit	Rent	Electricity_Bill	Gas_Bill	Water_Bill	Other_Charges	Total	Status	Date				
<input type="checkbox"/>		Edit		Copy		Delete	7	28		1st	A	20000	1000	1000	2000	500	24500	Paid	18-10-2020
<input type="checkbox"/>		Edit		Copy		Delete	8	25		3rd	B	15000	2000	1500	8000	650	27150	Pending	18-11-2021
<input type="checkbox"/>		Edit		Copy		Delete	9	30		3rd	C	15000	1000	1500	5000	500	23000	Pending	08-06-2018

NOTICE:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	No	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	House_No	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	Floor	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	Unit	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5	Status	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	6	Date	text	utf8mb4_general_ci		No	None			Change Drop More

<div><div><div></div><div></div><div></div></div></div>				No	House_No	Floor	Unit	Status	Date
<div><div><div></div></div></div>	<div><div><div></div></div></div>	<div><div><div></div></div></div>	<div><div><div></div></div></div>	5	25	3rd	B	MOVING IN	12-05-2021
<div><div><div></div></div></div>	<div><div><div></div></div></div>	<div><div><div></div></div></div>	<div><div><div></div></div></div>	6	28	1st	A	MOVING IN	25-05-2019
<div><div><div></div></div></div>	<div><div><div></div></div></div>	<div><div><div></div></div></div>	<div><div><div></div></div></div>	7	21	2nd	C	MOVING OUT	25-01-2022

AMOUNT COLLECTED:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	No	int(3)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	House_No	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	Month	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	Year	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5	Purpose	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	6	Amount	text	utf8mb4_general_ci		Yes	NULL			Change Drop More

				No	House_No	Month	Year	Purpose	Amount
<input type="checkbox"/>	Edit	Copy	Delete	1	11	JAN	2018	HHH	900
<input type="checkbox"/>	Edit	Copy	Delete	2	12	FEB	2018	JJJ	800
<input type="checkbox"/>	Edit	Copy	Delete	3	13	FEB	2018	GGG	600
<input type="checkbox"/>	Edit	Copy	Delete	4	30	FEB	2018	RRR	3000
<input type="checkbox"/>	Edit	Copy	Delete	5	25	JUNE	2018	AABCD	1000

REFERENCES:

- YOUTUBE - <https://www.youtube.com/>
- WIKIPEDIA - https://en.wikipedia.org/wiki/Main_Page
- JAVATPOINT - <https://www.javatpoint.com/>

