



Gated Community Application: User Documentation

Group #1

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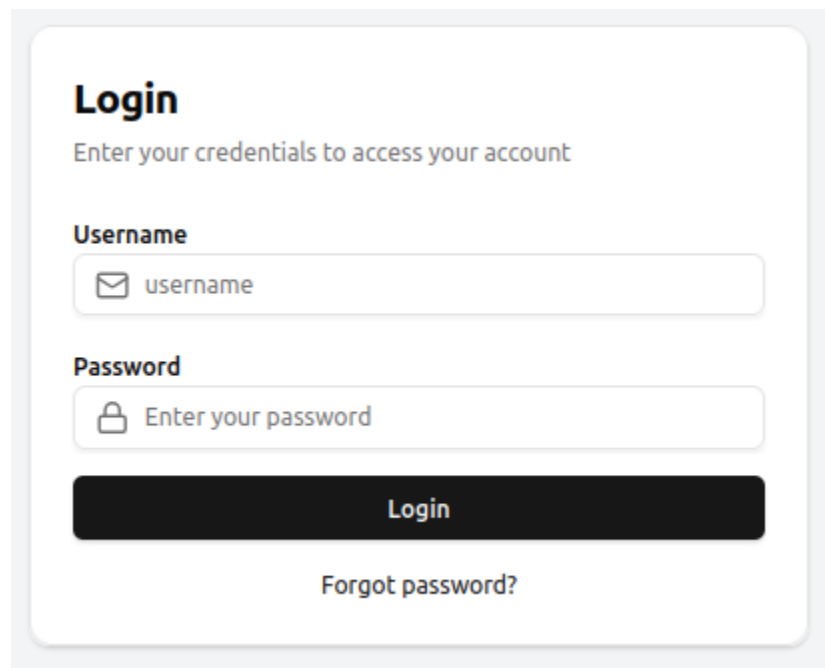
Gated Community Application

The Gated Community App is a progressive web-based application designed to streamline visitor management and enhance access control for residential communities. It allows residents to schedule visitor appointments, security personnel to verify entries using QR code scanning, and administrators to manage users, view visit history, collect feedback, and maintain a blacklist. The visitors would also be able to submit feedback about their experience. The system improves transparency, safety, and communication between all users within a gated community environment.

General Access and Features

Login

Once the administrator has added a user, the user can log in to the system using their credentials. Can either be a resident, security guard or administrator.

The image shows a login form with a light gray background. At the top, the word "Login" is in bold black text. Below it, a subtitle reads "Enter your credentials to access your account". There are two input fields: the first is labeled "Username" and contains the placeholder text "username" with an envelope icon; the second is labeled "Password" and contains the placeholder text "Enter your password" with a lock icon. Below these fields is a large black button with the word "Login" in white. At the bottom, there is a link that says "Forgot password?".

Login

Enter your credentials to access your account

Username

username

Password

Enter your password

Login

[Forgot password?](#)

Figure #1. Login form

View feedback

The administrator, resident, and security guard can view the feedback submitted by visitors.

Feedback Given

Rating	Comments	Visitor License Plate	Visitor Email	Single or Group	Actions
5	excellent service	123 kda	kelsey@gmail.com	single visitor	...

Figure #2. View Feedback

Role-Based Access and Features

The user document is organized according to the roles and functionalities assigned to each user type within the application. Each section of the document corresponds to a specific user role, such as administrator, resident, or security personnel, and outlines only the features and actions available to that role. Instructions, navigation steps, and screen references are grouped under their respective user headings to provide a clear and structured view of the system from the perspective of each user type.

Resident

Schedule Individual Visits

The resident can create an individual visit schedule by providing all the required fields shown in the form below. The visit can be either recurring or one-time. After filling in all the details, the user can click the Submit button to save the schedule.

Visitor First Name <input type="text" value="Visitor First Name"/> <small>Enter Visitor First Name</small>	Visitor Last Name <input type="text" value="Last Name"/> <small>Enter Visitor Last Name</small>
Visitor Phone Number <input type="text" value="Visitor Phone Number"/> <small>Enter Visitor Phone Number</small>	Visitor Email Address <input type="text" value="Email Address"/> <small>Enter Visitor Email Address</small>
Visitor ID type <input type="text" value="ID Type"/> <small>Select Visitor ID Type</small>	Visitor ID Number <input type="text" value="ID Number"/> <small>Enter Visitor ID Number</small>
Visitor License Plate <input type="text" value="Visitor License Plate"/> <small>Enter Visitor License Plate</small>	<input type="checkbox"/> Recurring Visitor <small>Recurring</small>
Entry Date Time <input type="text" value="04/11/2025 02:35 AM"/> <small>Enter Visit Day and Time</small>	Exit Date Time <input type="text" value="04/11/2025 02:35 AM"/> <small>Enter Exit Date Time</small>
Comments <input type="text" value="Comments"/> <small>Enter Comments</small>	Status <input type="text" value="Status"/> <small>Status of Visitor</small>
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

Figure #3. Form to Schedule Individual Visits

Schedule Group Visits

The resident can also create a group visit schedule by completing all the necessary fields. Like individual visits, group visits can be either recurring or one-time. Since it's a group visit, the user can click Add Visitor to display another form (as shown in the image) to enter additional visitor information. Once all visitors have been added, the user can click Submit to finalize the schedule.

Visitor Phone Number	Visitor Email Address
<input type="text" value="Visitor Phone Number"/>	<input type="text" value="Email Address"/>
Enter Visitor Phone Number	Enter Visitor Email Address
Visitor License Plate	<input type="checkbox"/> Recurring Visitor Recurring
<input type="text" value="Visitor License Plate"/>	
Enter Visitor License Plate	
Entry Date Time	Exit Date Time
<input type="text" value="04/11/2025 02:40 AM"/>	<input type="text" value="04/11/2025 02:40 AM"/>
Enter Visit Day and Time	Enter Exit Date Time
Comments	Status
<input type="text" value="Comments"/>	<input type="text" value="Status"/>
Enter Comments	Status of Visitor

Add Visitor

SubmitCancel

Figure #4. Form to Schedule Group Visits

Security Guard

Scan QR Code

The security guard will be able to scan the visitor qr code. Then will upload to the database and to see if the visitor is approved and then is sent to the visitors list.

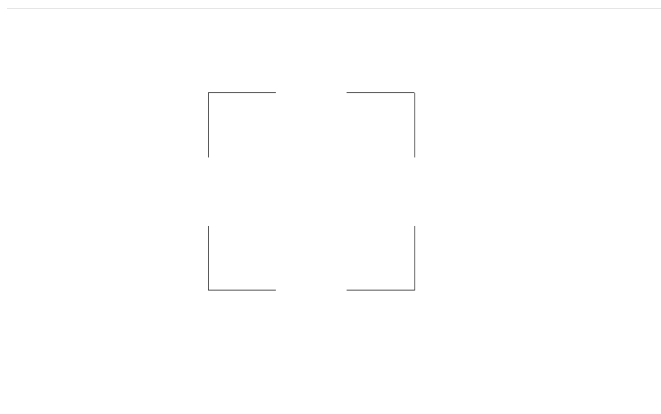


Figure #5. Scan QR code

After scanning the, the security will navigate to the list of visitors, click on “View Schedule”.

Visitor First Name	Visitor Last Name	License Plate	Visitor Type	Single or Group	Status	Actions
kelsey	aban	123 kda	recurring	single visitor	inactive	...
aiyesha	coleman	354 dey	one-time	single visitor	i	<div>ActionsView Schedule</div>

Figure #6. Table of Visitor List


The security guard can view the visitor's details and log their entry by clicking the "Log Entry" button. This action records the visitor's entry in the Entry/Exit Log History table. Similarly, when the "Log Exit" button is clicked, the visitor's exit is logged in the same table, ensuring accurate and up-to-date tracking of visitor activity.

Visitor Details

Phone: 606-0222	Email: kelsey@gmail.com	License Plate: 123 KDA
Visitor Type: recurring	Status: inactive	

Scheduled Entry: Thu Apr 10 2025
Scheduled Exit: Thu Apr 10 2025
Comments: visiting a friend

QRCode



Visitors on Schedule

First Name	Last Name	ID Type	ID Number	Actions
Kelsey	Aban	ss	1	Log Entry Log Exit

Entry/Exit Log History

Visitor Name	Entry Time	Exit Time	Status
No log entries yet.			

Figure #7. Visitor Details and log entry

Administrator

Blacklist A visitor

The Administrator Can also Blocklist a visitor, under the visitor list the administrator can navigate to the section which has the blocklisting feature, Admin will State the reason for blocklisting then proceed to blacklist on the blacklisted verification form.

Existing Visitors

Filter First Name...				
Visitor First Name	Visitor Last Name	ID Type	ID Number	Actions
aiyesha	coleman	passport	2	...
				Actions Add to Blacklist

Figure #8. Table of Existing Visitors

Remove from Blacklist

The user can navigate to the list of blacklisted visitors, where they have two available actions.

Filter First Name...					
Visitor First Name	Visitor Last Name	Visitor ID Type	Visitor ID Number	Status	Actions
kelsey	aban	ss	1	banned	...
					Actions Update Blacklist Reason Delete Blacklist Visitor

Figure #9. Table of Blacklisted visitors

By clicking on "Update Blacklist Reason," a form will appear allowing them to modify the reason for the blacklist entry.

If the user chooses to click on "Delete Blacklist Visitor," a confirmation message will appear. The user can then proceed by selecting "OK" to confirm the deletion or "Cancel" to abort the action and return to the list.

Blacklist Visitor

First Name Kelsey	Last Name Aban
ID Type SS	ID Number 1
Status Banned	

Reason

Reason for blacklisting



Provide a reason for blacklisting this visitor.

Submit **Cancel**

Figure #10. Form to update Reason

Add User

The administrator will navigate to "Create User" under the Users section. A form will then be displayed, allowing the administrator to enter the user's details. Once the information is filled out, they can choose to either Submit the form to create the user or Cancel to discard the action.

Username <input type="text" value="Username"/> Enter your Username	Password <input type="password" value="Password"/> Enter your password.
Role <input type="text" value="Role"/>  Role of User	Status <input type="text" value="Status"/>  Status of User

Submit **Cancel**

Figure #11. Form to Add User

Edit User

If the Administrator wants to edit a user, they will navigate to "View Users" under the Users section, where a list of all users is displayed. To make changes, they can click on the three-dot menu next to the desired user and select "Update User." A form will pop up, allowing them to edit the user's information. Once the changes are made, they can choose to Submit to save the updates or Cancel to discard them.

Filter First Name...					
First Name	Last Name	Username	Status	User Role	Actions
N/A	N/A	kelseya	active	admin	...
					Actions Update User

Figure #12. Table of the list of User

Delete User

Lastly, for the administrator to delete a user, they will need to select "Delete User" under the Actions menu. A confirmation message will then appear, allowing them to either click OK to confirm the deletion or Cancel to abort the action.

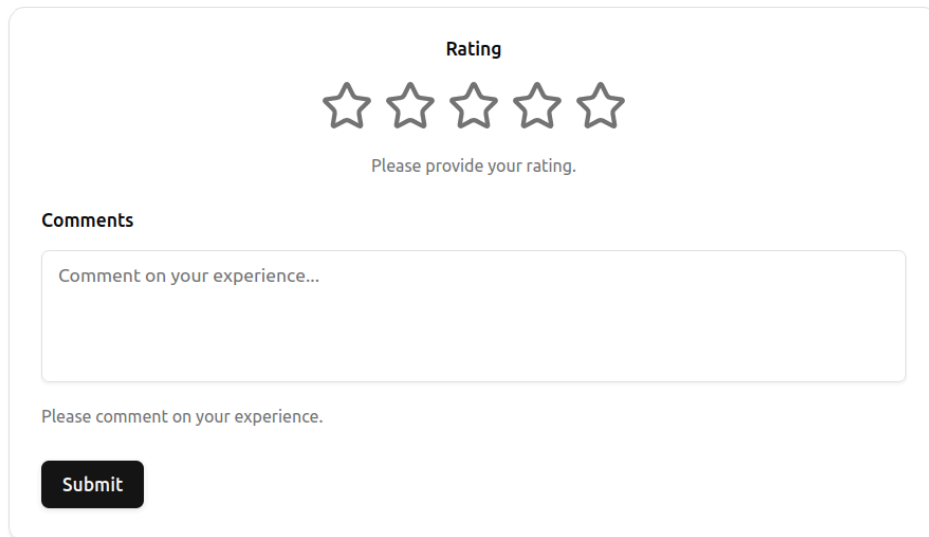
Filter First Name...					
First Name	Last Name	Username	Status	User Role	Actions
N/A	N/A	kelseya	active	admin	...
					Actions Update User Delete User

Figure #13. Table of the list of User

Visitor

Submitting Feedback

After the security guard scans the visitor's QR code, the visitor will receive a link to provide feedback on their experience. Visitors can rate their experience using a star rating , provide a comment, and then submit their feedback.



The feedback form is a light gray rounded rectangle. At the top, it has a 'Rating' section with five empty star icons and the text 'Please provide your rating.' Below this is a 'Comments' section with a text input field containing the placeholder 'Comment on your experience...'. Under the input field is the text 'Please comment on your experience.' At the bottom left of the form is a dark gray 'Submit' button.

Rating

☆ ☆ ☆ ☆ ☆

Please provide your rating.

Comments

Comment on your experience...

Please comment on your experience.

Submit

Figure #14. Feedback Form