

PROJECT PROPOSAL

Housing Societies Management System .

PROJECT IDEA:

This is a web-based application designed to provide state-of-the-art facilities to residents living in any housing society. In order to meet the demands of the modern era, this app offers various options that enable residents to access numerous facilities from the comfort of their homes. The management of the app should be overseen by the management of the housing society, whose aim is to facilitate their residents

GROUP MEMBERS

Sr. #	Roll Number	Name
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FUNCTIONAL REQUIREMENTS

Admin Module

Sr. #	Name	Description
1	Resident Management	Add, edit, and delete resident information. Assign user roles (resident, committee member, admin). Manage user login credentials.
2	Financial Management	Generate monthly maintenance bills. Collect online payments for maintenance fees. Track income and expenses. Generate financial reports.
3	Society Management	Manage announcements and notices. Send community messages. Schedule and manage events. Book common amenities (clubhouse, swimming pool, etc.). Manage staff (security guards, maintenance workers, etc.).
4	Complaint Management System	Residents can submit complaints regarding maintenance, security, or other issues. Admin can assign complaints to relevant staff for resolution. Track the status of complaints.
5	Document Management	Upload and store important society documents (meeting minutes, financial statements, etc.). Allow residents to download relevant documents.
6	Security Management	Manage user access control, define permissions for different user roles (residents, committee members with varying levels of access).
7	Access Control	Implement features like two-factor authentication for added security.
8	Visitor Management	Allow residents to pre-register visitors and manage visitor entry through the system. (Optional, depending on society needs)

9	Utility Management	Track and manage utility bills (water, electricity) for the society.
10	Voting and Polls	Conduct online polls and voting for society-related decisions.
User Module		
11	Registration	User must register themselves to access our portal.
12	Login	User must have to enter their credentials to log in to the system.
13	Profile Management	View and update personal profile information. View payment history.
14	Maintenance	View and pay maintenance bills online. Submit maintenance requests. Track the status of maintenance requests.

15	Society	View announcements and notices. View community events calendar. Book common amenities. View important society documents. Participate in online polls and surveys.
16	Complain t Manage ment System	Submit complaints regarding maintenance, security, or other issues. View the status of complaints.
17	Communi cation	Send messages to society management or other residents.
18	Payments	Integrate with online payment gateways for bill payments (maintenance, utilities) and amenity booking fees.
19	Discussio n Forums	Participate in discussion forums to connect with residents and discuss society-related topics.

Additional Considerations

- **Security:** The system should implement robust security measures and encryption to protect resident data.
- **Usability:** The user interface should be user-friendly and accessible for residents with varying technical expertise.
- **Mobile Access:** The system should be accessible from mobile devices (phones and tablets) as well as computers.
- **Integration:** Consider integrating with third-party services like online payment gateways and accounting software for enhanced functionality.