Use case description

Use Case Number:	UC-01
Use Case Name:	User Registration and Profile Management
Overview:	Login / Signup based on admin/user. update profile information
Actors:	Admin,User
Pre condition:	The system is running and accessible to users and admins.
Flow:	1)User or admin accesses the system. 2) If the user is not already registered, they select the "Sign Up" option. 3) The system presents a registration form with fields for essential information, such as name, email, password, etc. 4) User or admin fills in the required information. 5) The system validates the entered information (e.g., checks for valid email format, strong password). 6) If the information is valid, the system creates a user account and logs the user in. 7) User or admin can now access the profile management options.
Post Condition:	Enter the condition that must be true when the main flow is completed.

Use Case Number:	UC-02
Use Case Name:	Issue reporting as posts
Overview:	creating new issue report. attaching files to illustrate the problem.Include location information(optional).User can post by maintaining anonymity.
Actors:	user,admin
Pre condition:	user/admin needs to be logged in
Flow:	1)User creates a new issue report. 2) User may attach files to illustrate the problem. 3) Optionally, user includes location information. 4) User may choose to post anonymously. 5) A new issue report is created and added to database.
Post Condition:	Other users within the same pincode will be able to view the newly created post. The user will be redirected to the same posts page.

Use Case Number:	UC-03
Use Case Name:	Data analysis and issue categorization
Overview:	The system processes user generated content to analyze and categorize community issues.
Actors:	Admin , System
Pre condition:	1) There is user-generated content available for analysis.
Flow:	1) The system collects user-generated content from various sources, such as community forums, social media, or user submissions.

	2) The collected content is preprocessed to ensure uniformity and suitability for analysis. 3) The system employs various techniques based on the type of content: 4) The system identifies potential community issues, such as hate speech, harassment, spam, or violations of community guidelines. 5) The system categorizes identified issues into specific categories based on their nature.
Post Condition:	Community issues are analyzed and categorized.

Use Case Number:	UC-04
Use Case Name:	Alerts
Overview:	alerts are sent to individuals or groups to inform them about important updates, emergencies using email.
Actors:	Admin,System
Pre condition:	Important updates or emergencies occur. only admin can send alerts.
Flow:	1)Admin chooses the content of the alert to send. 2)System sends alerts to individuals via email
Post Condition:	Alerts are sent to individuals via email and admin will be redirected back to home page.

Use Case Number:	UC-05
Use Case Name:	Polls

Overview:	Interactive questions for users to vote on preferences, gathering quick opinions
Actors:	User , Admin(For creating)
Pre condition:	Poll is created and published.
Flow:	1)Admin creates and publishes a poll. 2)Users receive notification of the poll. 3)Users vote on preferences. 4)System records and aggregates the votes.
Post Condition:	- Users can vote on preferences. - Opinions are gathered.

Use Case Number:	UC-06
Use Case Name:	Announcements
Overview:	Announcements are formal messages made to convey important news to a targeted audience displayed in website.
Actors:	ADMIN
Pre condition:	Admin is logged in.
Flow:	Admin creates an announcement. A new announcement is created and added to database. Announcement is published and conveyed to the targeted audience by displaying in the website
Post Condition:	Users can be able to see the announcements posted by the admin..

Use Case Number:	UC-07
Use Case Name:	Viewmarkers
Overview:	View markers to see the noteworthy incidents occured in that community(of same pincode)
Actors:	User
Pre condition:	User selects a specific community (of the same pincode).
Flow:	1)The user opens the application or system and specifies a community of interest by providing a pincode or location. 2)The system queries its database with the provided pincode or location to retrieve data on noteworthy incidents within that community. 3)The system displays markers on a map, showing the locations where noteworthy incidents have occurred in the specified community. 4)Users can click on the markers to access additional details about each incident, such as descriptions, dates, parties involved, and multimedia content. 5)Users can explore the map, zoom in/out, and filter or sort incidents based on their preferences.
Post Condition:	User can view noteworthy incidents in that community.

Use Case Number:	UC-08
Use Case Name:	Mark on map
Overview:	user can mark noteworthy incidents on map
Actors:	user

Pre condition:	user is logged in and in maps section, he is in “mark on map” section.
Flow:	1)user selects a noteworthy incidents. 2)user selects the location using search bar and add title and description to the incident. 3)user finally adds it on map. 4) it gets added to database.
Post Condition:	user who posted markers will be redirected to maps section. users living in same pincode area can see the marker in viewmarkers section.

Use Case Number:	UC-09
Use Case Name:	weekly analysis
Overview:	weekly analysis of noteworthy incidents by using timestamps of the events.
Actors:	System,Admin
Pre condition:	There is data available with timestamps of events.
Flow:	1)Gather data on noteworthy incidents, including timestamps of when each incident occurred. 2)Extract timestamps from the incident data, which indicate when each incident took place. 3)Group incidents based on weekly intervals using the extracted timestamps. 4)Analyze the aggregated data to identify trends, patterns, or changes in noteworthy incidents over time. 5)Based on the analysis, stakeholders may take actions or make decisions to address specific issues or trends identified in the weekly analysis.
Post Condition:	Weekly analysis of noteworthy incidents is generated.

Use Case Number:	UC-10
Use Case Name:	Analysis of Existing problems
Overview:	Using ml techniques,ongoing problems of the community are analysed based on the posts,problems posted by the user.
Actors:	System
Pre condition:	There is user-generated content available for analysis.
Flow:	1) System uses ML techniques to analyze ongoing problems. 2) Analysis is based on user-generated content. 3) Then analysis is displayed to the user.
Post Condition:	Ongoing problems of the community are analyzed based on user posts.

Use Case Number:	UC-11
Use Case Name:	User interface for rural people
Overview:	using three.js for creating an 3d experience such that the rural area people can easily understand user interface as its 3d environment
Actors:	User
Pre condition:	Three.js environment is available.
Flow:	1) Design a 3D UI that suits the needs of rural users. 2) Use Three.js to build the 3D environment, including scene, camera, and lighting. 3) Implement user-friendly controls for navigation and interaction. 4) Test the interface with rural users, gather feedback, and make improvements.
Post Condition:	Rural area people can interact with the 3D user interface.

Use Case Number:	UC-12
Use Case Name:	Multilingual Content support
Overview:	using NLP to allow people across india to actively participate in their community.
Actors:	System
Pre condition:	NLP techniques for multilingual support are available.
Flow:	1)System uses NLP techniques to enable multilingual support. People across India can actively participate in their preferred language.
Post Condition:	user will be able to see the content in his preferred language.

Use Case Number:	UC-13
Use Case Name:	Chatting with admin
Overview:	user can interact with admin regarding concerned problems
Actors:	Admin,User
Pre condition:	User and admin are logged in and they are in chats section.
Flow:	1)User initiates a chat with admin regarding concerned problems. 2) Admin responds to the user's queries or concerns.
Post Condition:	User can interact with the admin regarding concerned problems..