

MyCommunity – System Design Overview

Functional Overview

MyCommunity is a web app where citizens can report local issues and track their resolution. The key features include:

1. Reporting Issues

- Citizens can submit issues such as potholes, broken streetlights, or garbage problems.
- Each report includes a title, description, category, and location.

2. Viewing Reports

- All submitted reports are visible to users in a list or feed.
- Each report shows its details along with its current status.

3. Commenting

- Users can comment on any report to provide feedback or additional information.

4. Status Tracking

- Each report has a status that progresses from Submitted → In Progress → Resolved.
- Users can see updates on the status of each issue.

5. Filtering and Sorting

- Reports can be filtered by category or status.
- Reports can be sorted by time submitted or number of comments.

Non-Functional Overview

The app is designed to behave efficiently and be user-friendly:

1. Usability

- Easy to navigate and understand for all users.
- Information is presented clearly and intuitively.

2. Performance

- Actions like adding reports, commenting, and updating statuses happen quickly and smoothly.

3. Maintainability

- The app structure allows future updates or new features to be added easily.

4. Reliability

- Users can trust that the reports they submit or view will remain consistent during use.

5. Visual Appeal

- The app is designed to be clean, readable, and engaging to encourage participation.