SRS Document

On

Smart City

Presented by

Group no. 33

Purva Ghodke (2050)

Lata Karvekar (2071)

Abstract:

Smart city is web portal based java technology which provide various facilities to citizens. This infrastructure is used 24 hours, seven days a week by various citizens. There is wide range of services and applications. These services cover fields such as public utilities, social care public safety. Emerging application and services are extended into diverse fields such as everyday life of citizen. Smart city services and applications are focusing on how to shape future Internet based services and applications from smart city perspective. It is technological solution and communication platform for development of city services in relation to the improvement of urban systems and services. This web portal to ensure a view of the citizen and real time updates of information across city systems. This portal permits to better communicate with constituents.

Aim & Objective:

- To produce a web-based system that allow the administrator to provide functionalities to its role.
- To ease users by providing different functionalities to it.
- To ease the supply of information about the city.

Existing System:

In Existing system the person who are visiting a particular city need to gather information from the person who is staying in the city or take the help of the guide in the city. Gather of all these information you need to visit the city. This posses a lot of time and pre-planning. In order to get each piece of information we need to go for help desk.

Limitations of existing system:

- The existing system is a manual system. Here the city information needs to save his information in the form of excel sheets or Disk Drives.
- There is no sharing is possible if the data is in the form of paper or Disk drives.
- The manual system gives us very less security for saving data; some data may be lost due to mismanagement.
- It's a limited system and fewer users friendly.

Proposed system:

The Proposed System provides an online information about the particular city going to visit. It also provides additional services to the registered user. The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach.

- User Friendliness is provided in the application with various controls provided by system Rich User Interface.
- The system makes the overall project management much easier and flexible.
- It can be accessed over the Intranet.
- The city information files can be stored in centralized database which can be maintained by the system.

Advantages of Proposed system:

- This online smart city portal is fully functional and flexible.
- It is very easy to use.
- This online smart city portal helps in back office administration by streamlining and standardizing the procedures.
- It saves a lot of time, money and labour.
- Eco-friendly: The monitoring and the overall use becomes easy and includes

the least of paper work.

- The application acts as an office that is open 24/7.
- It increases the efficiency of the management at offering quality services to the users.
- It provides custom features development and support with the application.

Operating Environment:

Server Side:

Processor: Intel® Xeon® processor 3500 series

HDD: Minimum 500GB Disk Space

RAM: Minimum 2GB OS: Windows 8.1, Linux 6 Database: MySQL

Client Side (minimum requirement):

Processor: Intel Dual Core

HDD: Minimum 80GB Disk Space

RAM: Minimum 1GB

OS: Windows 7, Linux

Use Case Diagram:

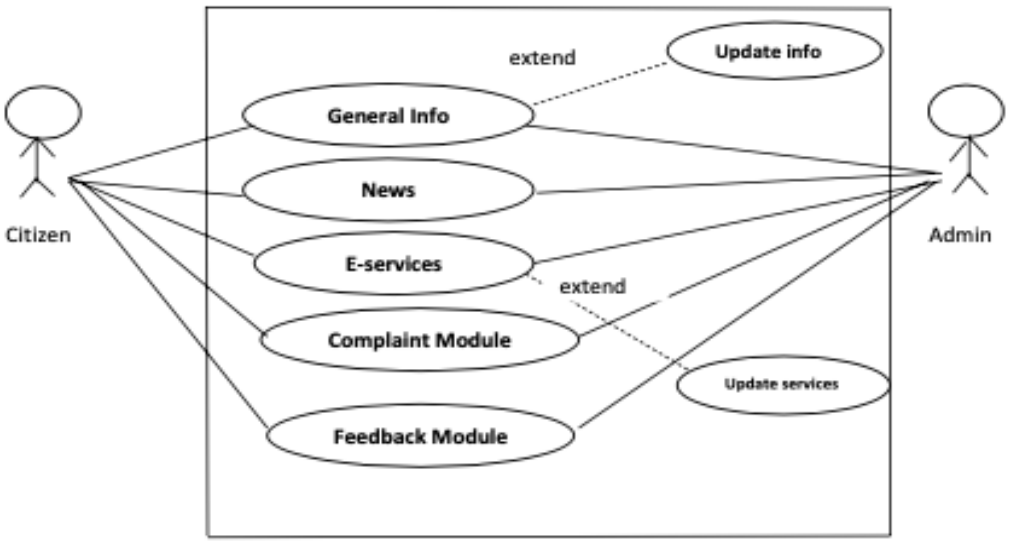


Fig.Use case diagram

ER Diagram:

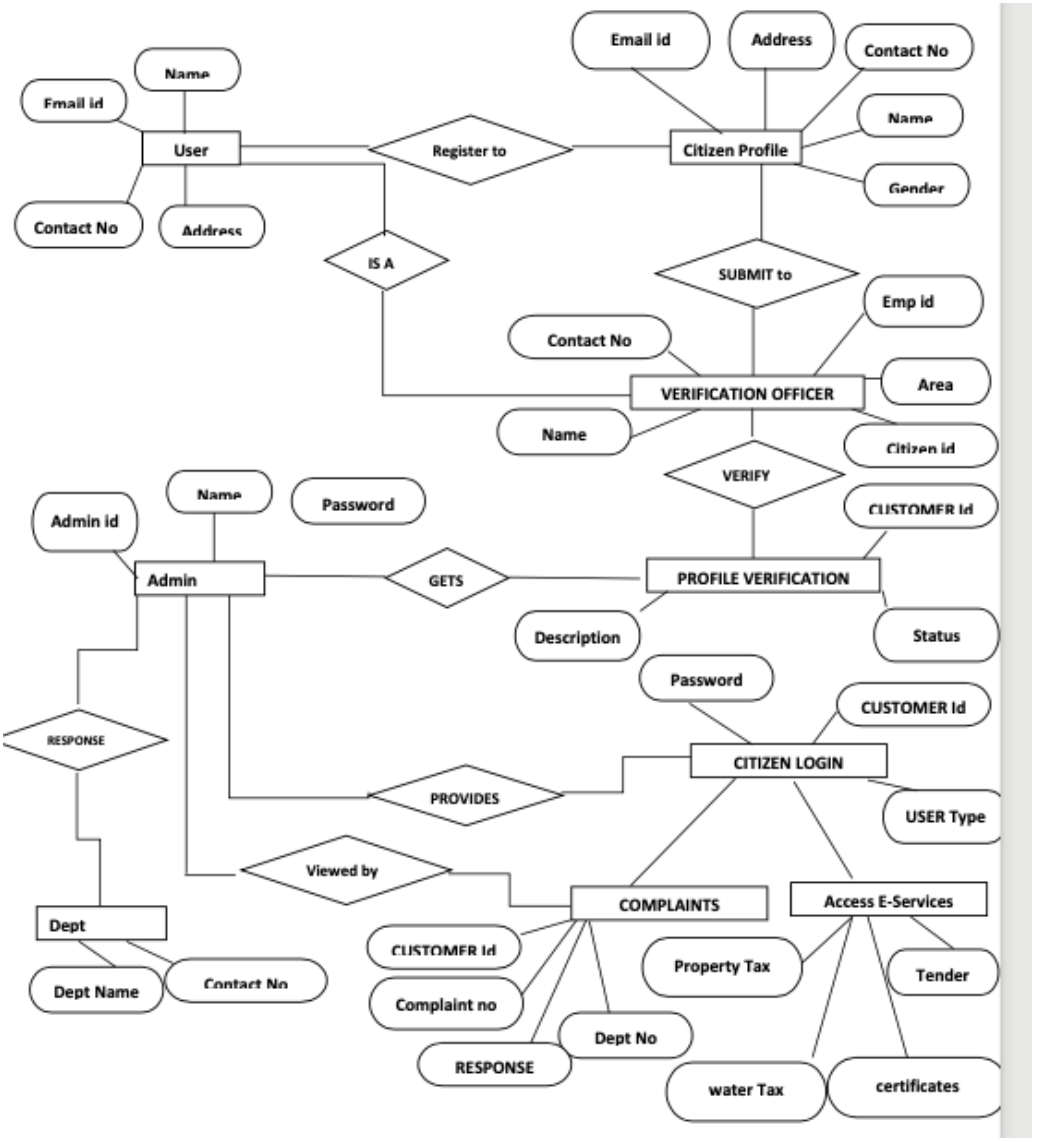
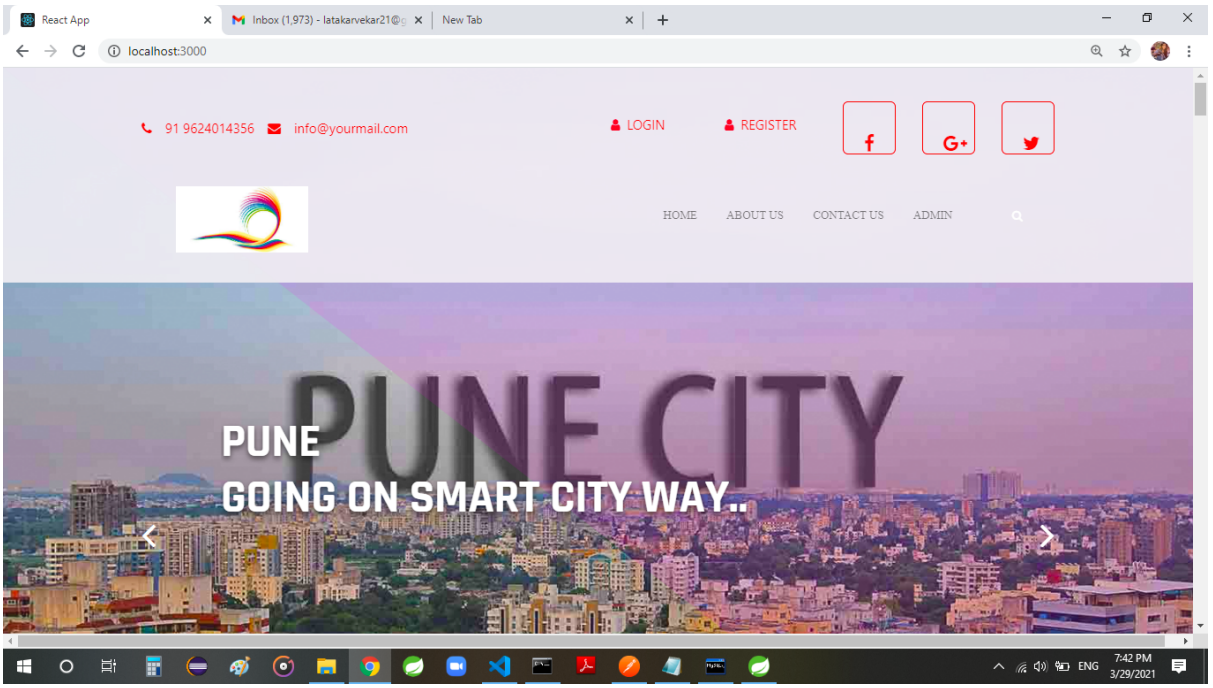


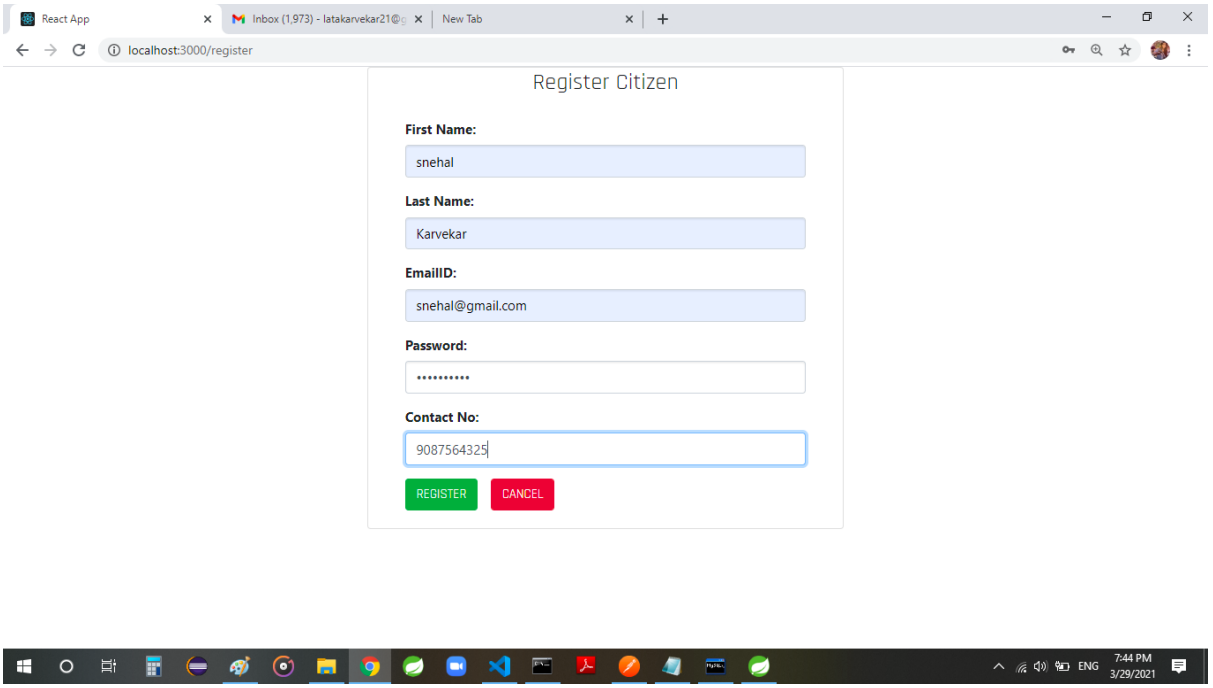
Fig. ER Diagram

Screenshots:

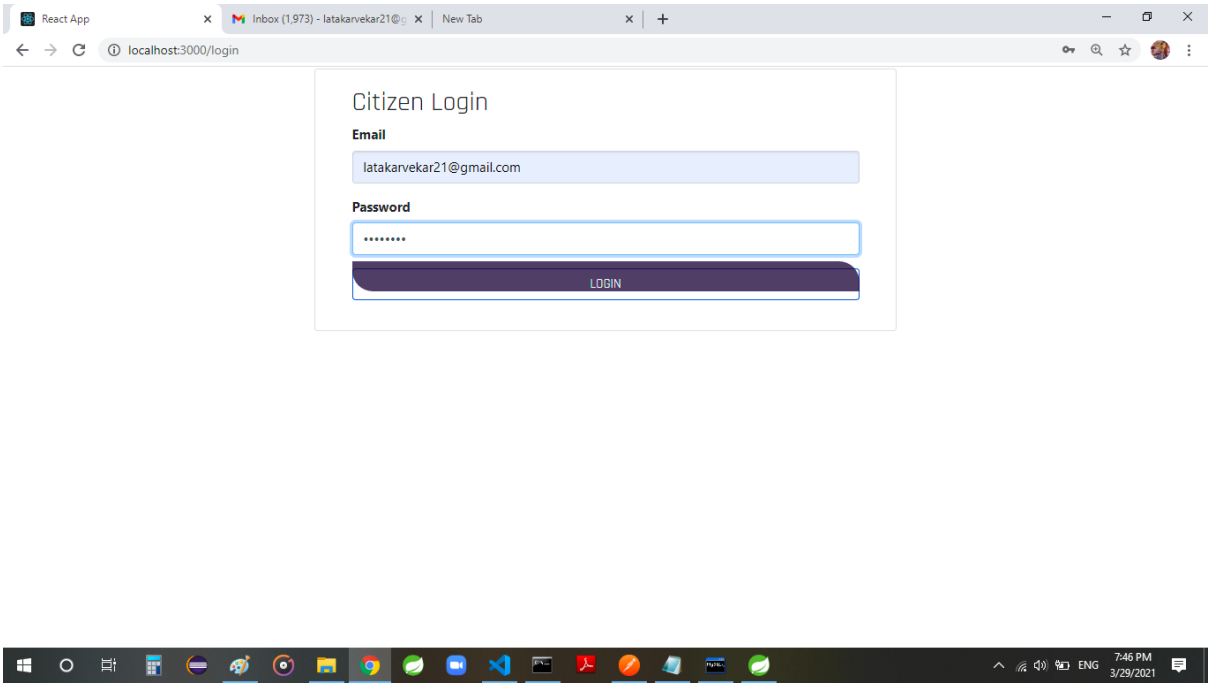
Home Page:



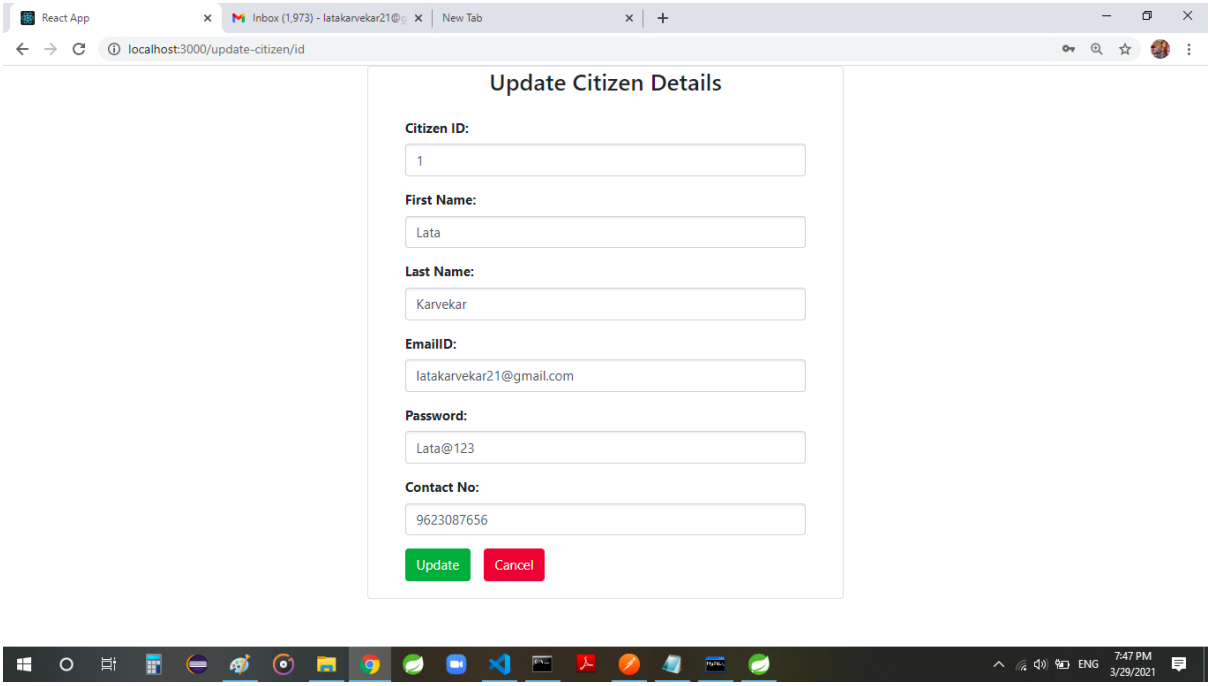
Register:



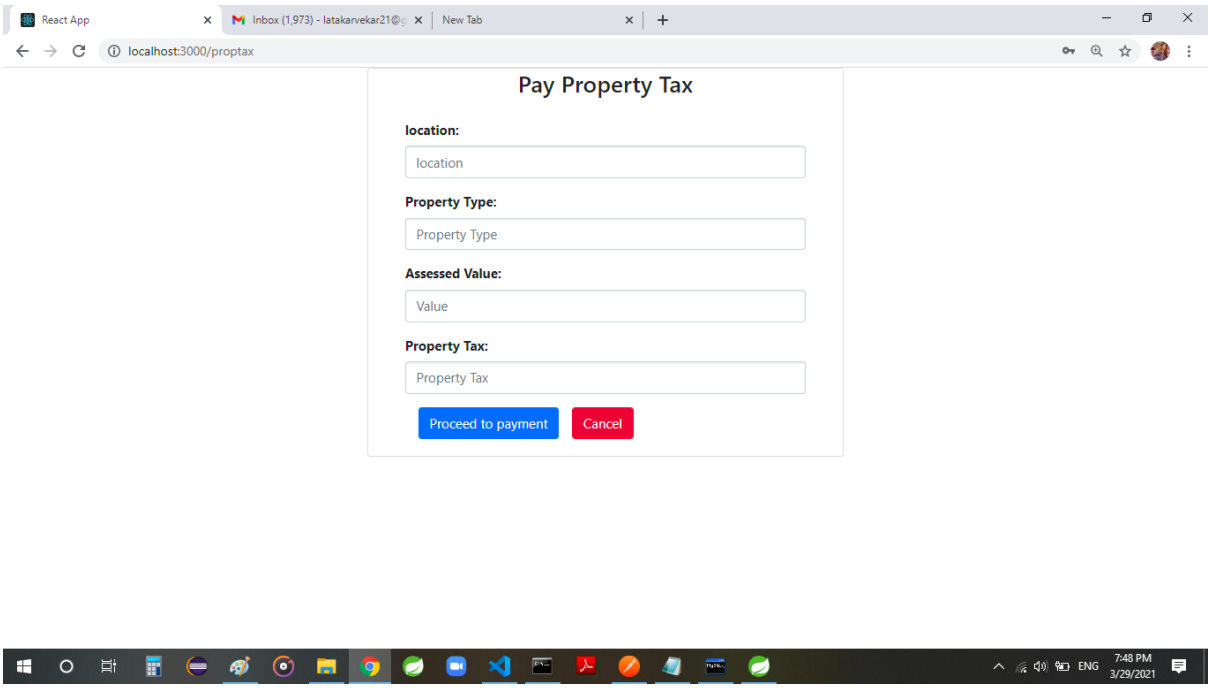
Login:



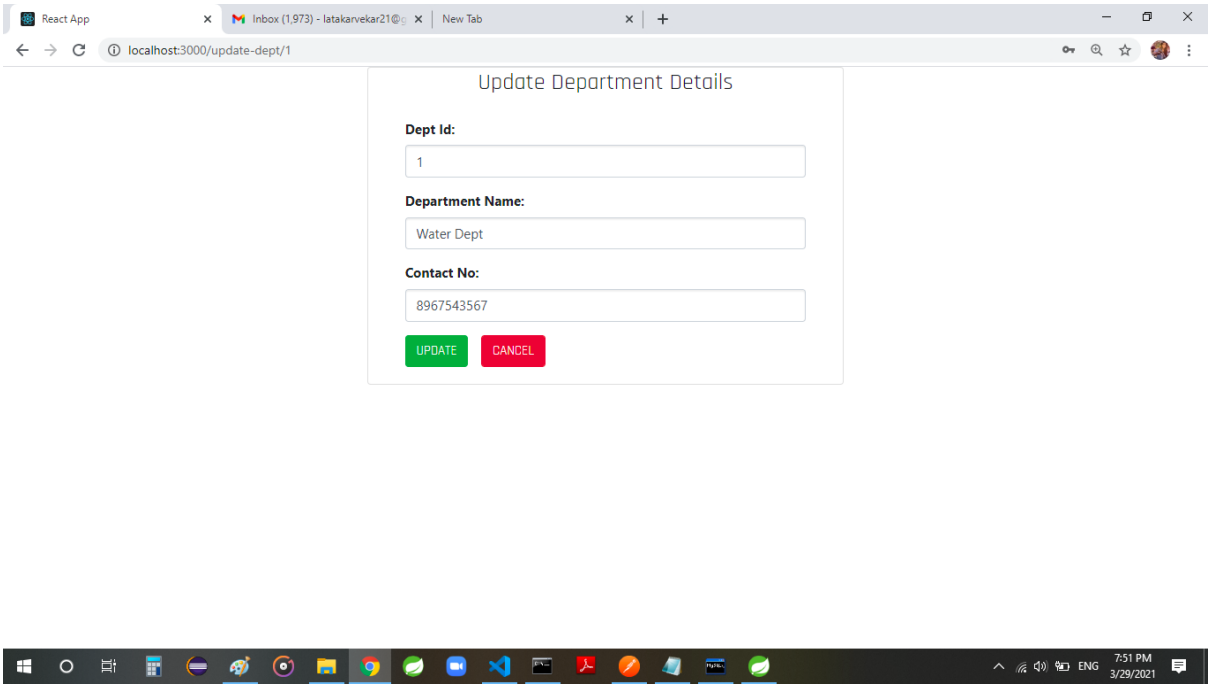
Update Details:



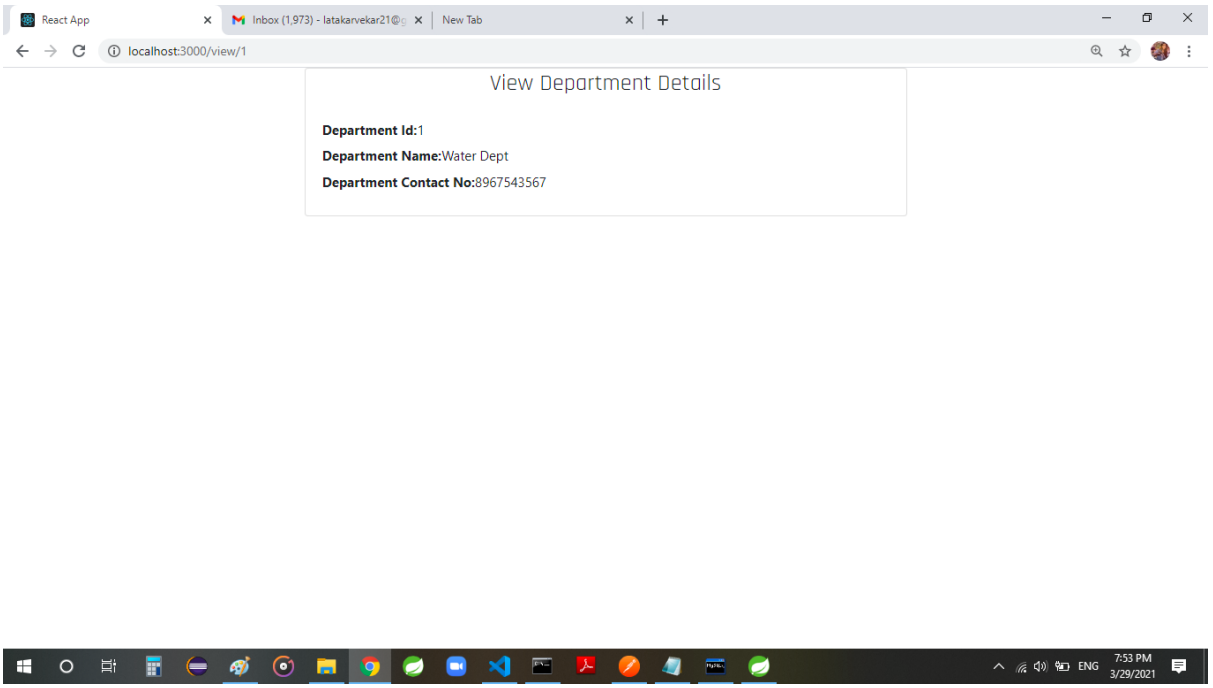
Property tax:



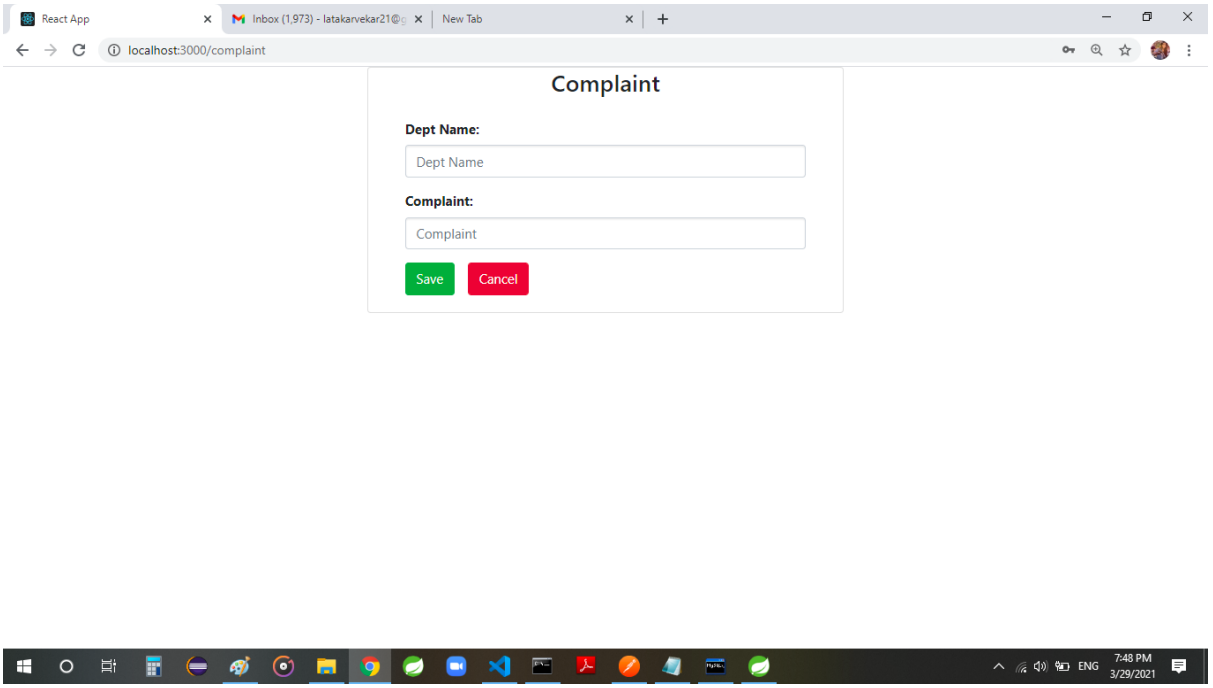
Update department:



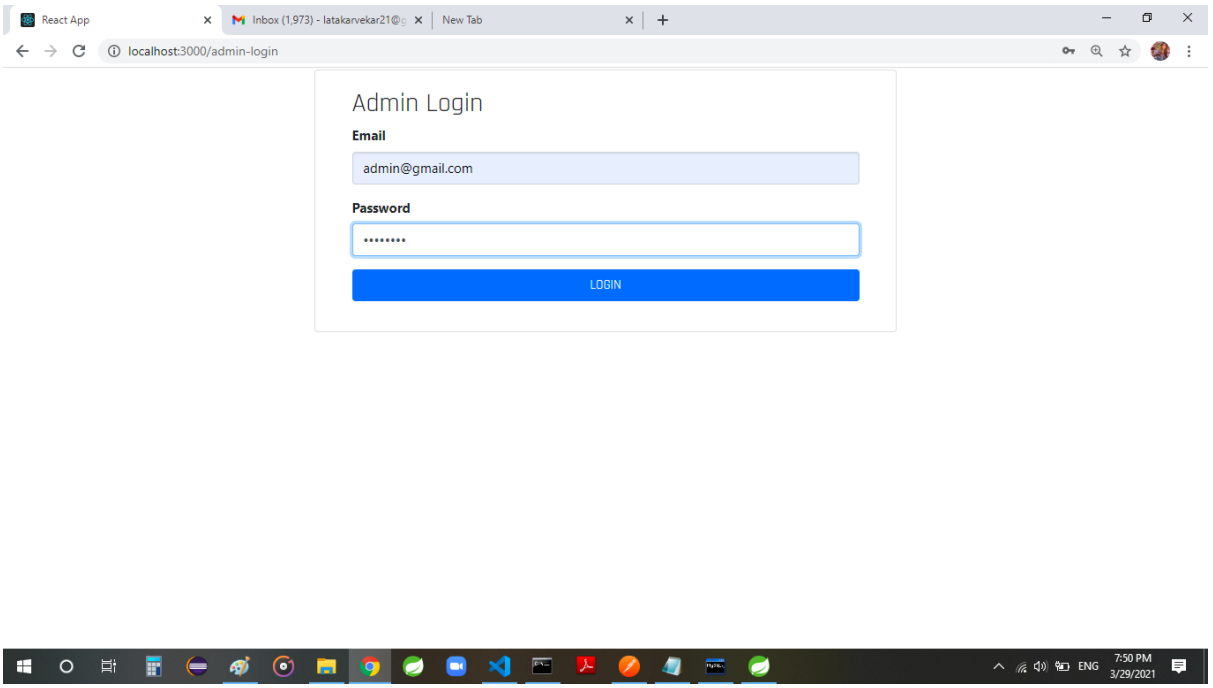
View department:



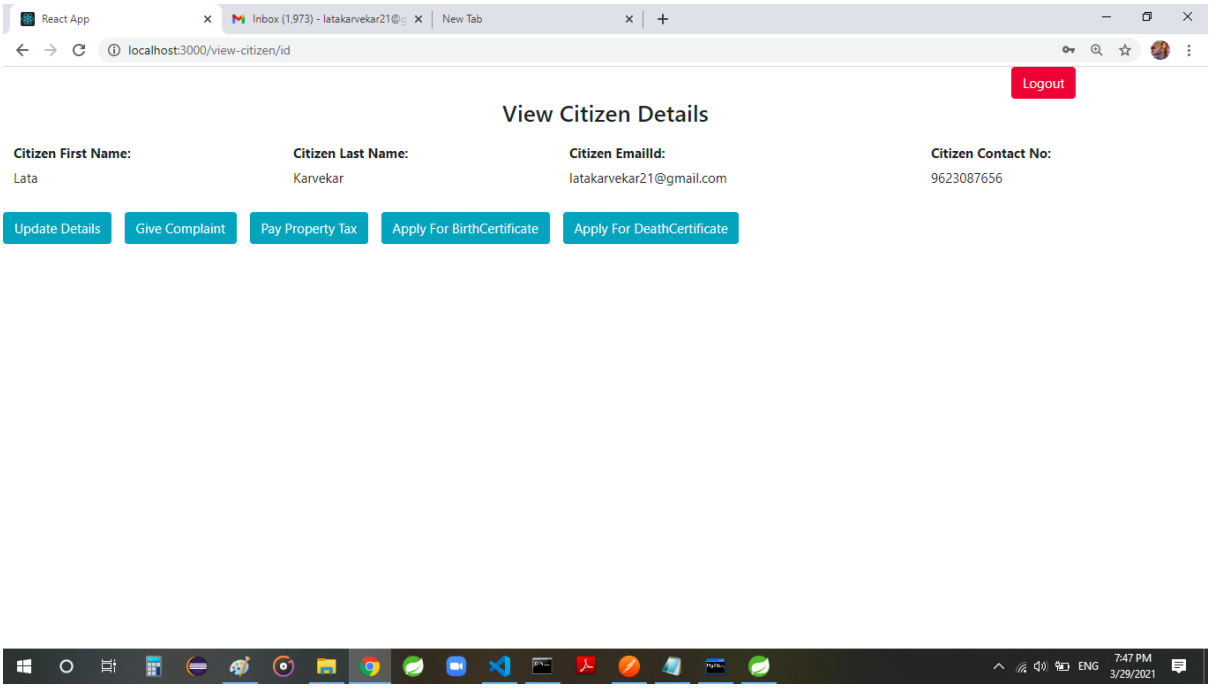
Complaints:



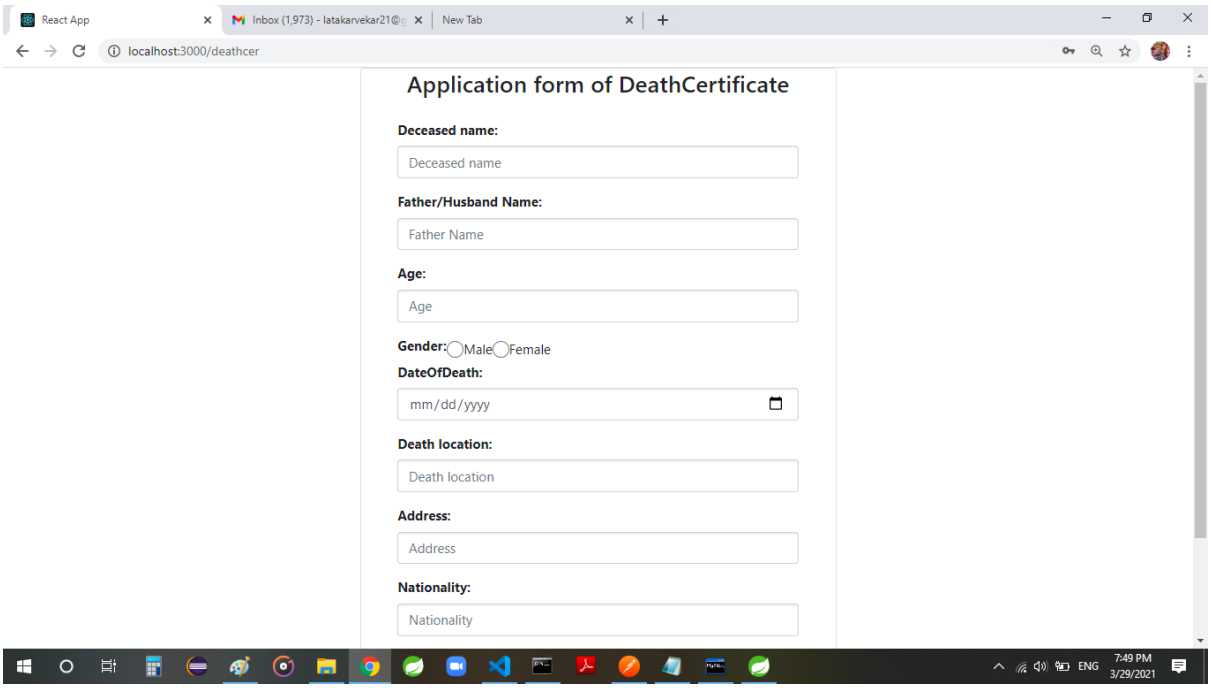
Admin login:



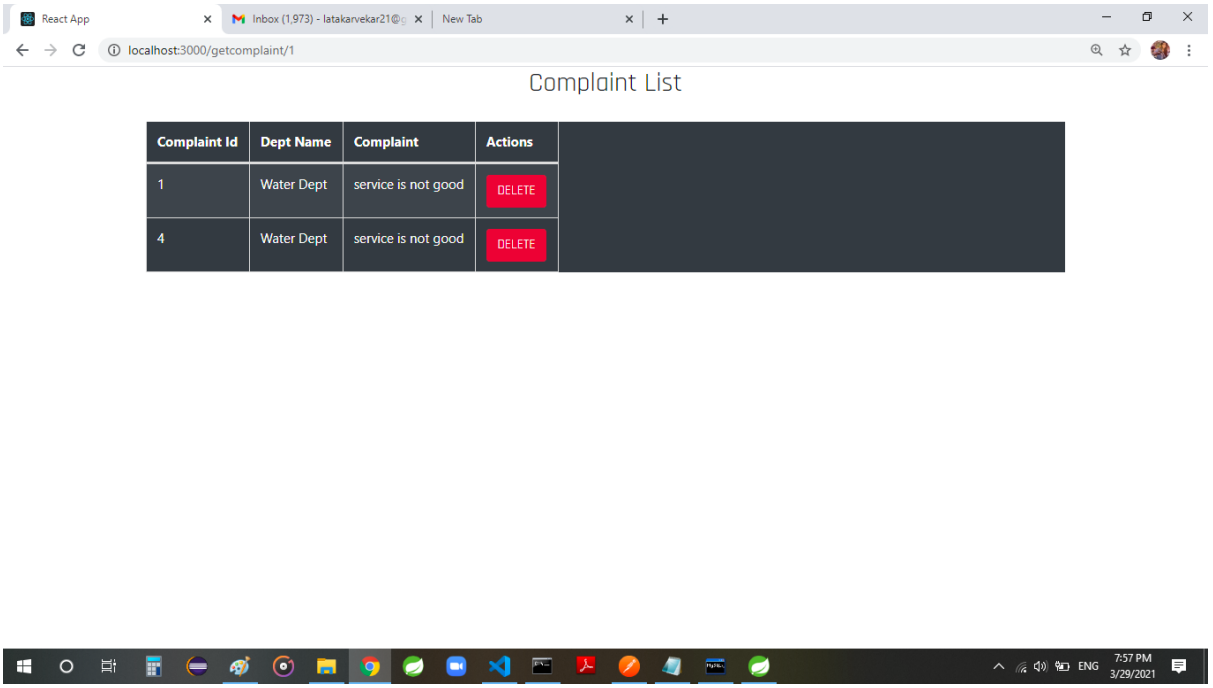
View citizen:



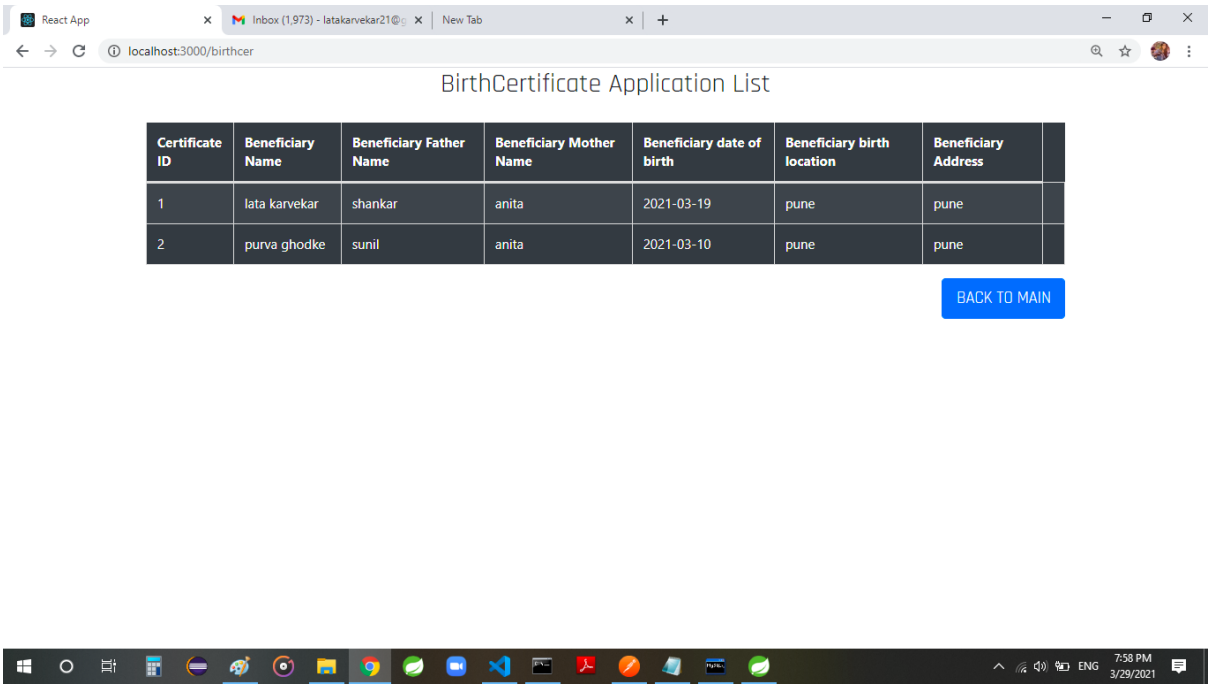
Death certificate:



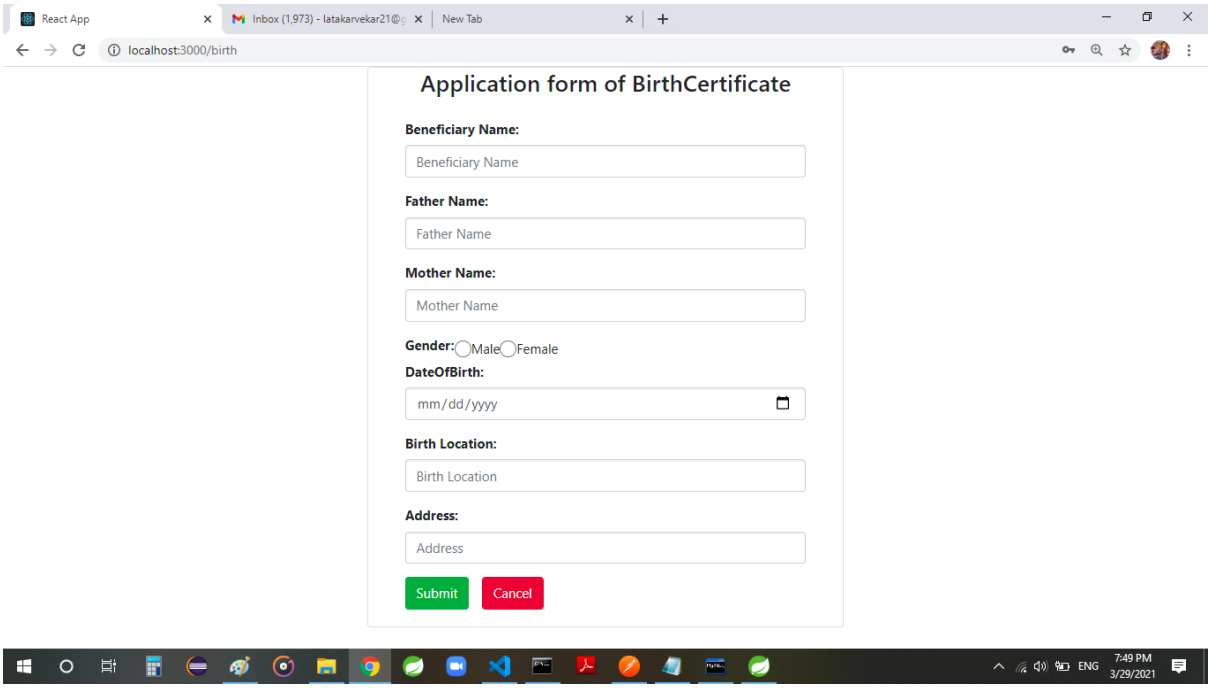
Department complaint:



Birth certificate:



Birth certificate application:



Conclusion:

In conclusion, Smart City Project in Java provides info regarding the various aspects of city. The implementation of this project solves most of the problems a new visitor faces while coming to a new city.Administration, user, visitor management, etc. similar to a city are the key features of our project. User can access services and functionalities from the society anywhere and anytime for their own comfort.

Future Scope:

- The scope may be expanded to include more cities by the state in future.
- Online collaborative sensor data management platforms are on-line database services that allow sensor owner to register and connect their devices to feed data into database.
- We can include telecommuting, telehealth.

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