

LOCATION BASED WEB SERVICES

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ABSTRACT

Location Based Services (LBS) can make our lives more comfortable and productive, it may cause an invasion of privacy by disclosure and commercial use of location information. Nowadays, location-based services are widely utilized, including identifying user locations. In our project we proposed location-based services for corporation . Here we are going to solve the particular areas problems like water problem, electricity problem and sewage problems in a particular area. Once we are going to file complaints in this website that's will be moved on to the particular department. Then they will view our complaints after that they will response our complaints. Once the problem will solve that information send to the user. The user information is secured with help of AES algorithm. In this project we using LBS for solving the basic problems in all area.

Keyword : AES, Spatial, Privacy etc.,

1.INTRODUCTION

. A **location-based service (LBS)** is the name for a general class of policies in software-level services that provide for accessing data, files, pipes, memory objects, streams and other or online services. Access policies are controlled by location data and/or time-of-day constraints, or a combination thereof. LBS is critical to many businesses as well as government organizations to drive real insight from data tied to a specific location where activities take place. The spatial patterns that location-related data and services can provide is one of its most powerful and useful aspects where location is a common denominator in all of these activities and can be leveraged to better understand patterns and relationships

1.1 OBJECTIVE

The main objective of the system is to solve the problems like water problem, electricity problem and sewage problems in a particular area and also provide services to the user based on their Location. The complaints and issues will be forwarded to either public works department or to the local private service centers. To Secure the information provided by the users

1.2 BENEFITS

- It's a centralized system to provide services both in private and public aspects.
- Easy updation and monitoring of complaints.
- Provides security to user information.

2. LITERATURE SURVEY

2.1. Web Services Classification based on Wide & Bi-LSTM Model.- HONGFAN YE, BUQING CAO, ZHENLIAN PENG, TING CHEN, YIPING WEN, JIANXUN LIU, IEEE (2019).

With the rapid growth of Web services on the internet, it becomes a great challenge for Web services discovery. Classifying Web services with similar functions is an effective method for service discovery and management. However, the functional description documents of Web services usually are short in their length, with sparse features and less information, which makes most topic models unable to model the short text well and so affects Web service classification. To solve this problem, a Web service classification method based on Wide & Bi-LSTM model is proposed in this paper.

2.2. Design of E-KOST: An Android-based mobile application using location based service (Study case: SWCU'S students)- M. M. Swastikasari, E. Sedyono and A. S. Ardjo, 2017 International Conference on Innovative and Creative Information Technology (ICITech), Salatiga, 2017, pp. 1-9.

The growth of mobile devices, advanced technologies and modern lifestyle drive people to develop systems that make things faster and instantly provided. SWCU Students who came from other cities need to find rooms, and room's owners need to find tenants. Based on this phenomenon, the authors tried to accommodate those by developing an application that using Location Based Service (LBS). Object oriented Business Application Development Method and Codeigniter Framework are used in this work An android-based prototype is developed shows that the application complies all listed requirements.

2.3. Survey and Review of Location Privacy Techniques in Location Based Services- B. N. Jagdale and J. W. Bakal, 2017 6th International Conference on Emerging Trends in Engineering and Technology, Nagpur, 2017, pp. 136-137

With the recent advancement in the mobile technology, devices are equipped with location computing facility. Devices are mounted with real entities such as human, animals, vehicles etc. In Location Based Services, user carrying device seeks service and hence user's location information is compromised and can be misused by service providers. In this paper, we present the review and propose the enhanced mechanisms to protect the location privacy of mobile users.

3. EXISTING SYSTEM

The existing system for Location based web services involves more manual intervention. In this system All user complaints records are stored in a file. When other department requires any complaint information at the time, they need to call that respected department. Citizens cannot get the information and the current status of the complaints whether any measures has been taken or not.

3.1 DISADVANTAGES

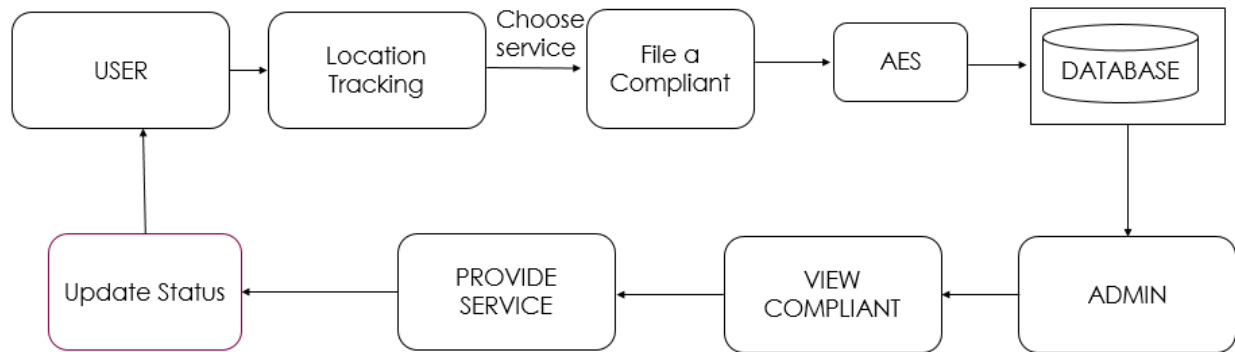
The limitations are encompassed in the area of performance, methodology and other time constraints.

- Directly go and file a complaint in a respected department.
- Not able to check the current status of the compliant.
- We need to search the service provider information from various sources.
- Lack of security.

4. PROPOSED SYSTEM

This system provides an easy, fast and accurate online system that helps the people to register their complaints, at any time. The complaints can be given in terms of both government as well as private sectors. It also allows the people to complaints via online. It Allows the people to monitor their complaints and user can get the notification once the problem was solved. Its an easy way get the information from the department.

5. BLOCK DIAGRAM



5.1 DESCRIPTION

The architecture diagram represents the process flow of the system. First the user will register their details and their location will be retrieved using the point pinned by them in the map. Then they can register their complaints, those details will be updated in the database. At the other end, the admin can view the complaints and either accept or reject them. Once the complaint is accepted by the admin, then a session will be created between the user and the admin. During each progress the status will be updated to the user. Finally after completion of the service, the session will be closed.

6. MODULE DESCRIPTION

6.1 USER MODULE

In this module, first of all User will register with proper data (where username and E-mail id must be unique for everyone). Once User registered than he/she can login in this system and register their complaint. User will mentioned their location based on the location the complaint will move on to the respected domain.user can also see the status of the complaint register. Here Session is applied on this system. So, once user logout he/she cannot go back, he/she must have to login first.

6.2 ADMIN MODULE

In this module, first of admin will login with proper email-id and password. Once admin will login, he/she can see all the complaint which is registered by users. Once the complaint was solved the information will posted on the site so the user can easily saw their complaint status. Here Session is applied on this system. So, once admin logout he/she cannot go back, he/she must have to login first.

7. CONCLUSION

In this paper, the system is intended to act as a centralized system to provide services to the users. The complaint can either be forwarded to private centers or to the public works department based on the requirement. The location provided by the user is not static, they can update the location to whatever place where the problem arises. Everything is centralized in this system. Users can do the entire process using their handheld devices. The identity number of the government identity proof provided by the users will be secured using the AES algorithm.

8. SCOPE AND FUTURE WORK

Gps which plays a vital role in most of the applications today . With the help of more satellites , accurate location of the users can be retrieved, using which manpower can be assigned at a faster rate. With the help of bigdata and cloud approaches , real time processing can be done, which could possibly speed up the process of servicing.

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