



SPATIAL LIFE POINT INTERRELATIONS USING WEB APPLICATION

S.Dhamodaran,
Assistant Professor,
Department of CSE,
Sathyabama Institute Of Science and
Technology,
s.dhamodaran07@gmail.com

T.Veerendra Nath,
UG Student,
Department of CSE,
Sathyabama Institute Of Science and
Technology,
veerendranath9911@gmail.com

U.Jyoti Chandra Reddi,
UG Student,
Department of CSE,
Sathyabama Institute Of Science and
Technology,
jyothichandrade96@gmail.com

ABSTRACT:

With the expanding rivalry in the developing employable world, we plan understudies to confront a great deal of rivalry since they begin tutoring and the developing corporate needs thus brings about increment in the quantity of essential conventions that the understudies required to bring out through his/her academic life[2]. For an Indian understudy, school life can be dull as a result of the measure of care one must put in his education. To handle this distress, we have composed an android application that will manage an understudy through such essential customs. The application will enlighten the understudies concerning certain highlights like school chasing, school chasing in view of his own need and proximity. Apart from that, it can help in required conventions like applying for Pan Card, Passport, License, Voter Card and post retirement plans[3].

KEYWORDS: *Big data, Hadoop, Web service incorporation optimization.*

INTRODUCTION:

The reason behind the name chosen for this project will be well justified in this document. This project aims to encapsulate every mandatory formality (school hunting, college hunting, passport formalities, gaining awareness about eligible educational scholarships, job hunting, post retirement formalities etc) of our lives and offer an easy interface to deal with these necessities by offering notifications that provide intuitive guidance to accomplish such tasks by implementing Big Data analytical capabilities. Furthermore, this application aims to offer guidance by implementing map based navigation that navigates users to best suited offices, institutions, banks and other relevant locations.

Below mentioned are the services provided by the application, among other:

- Vaccination reminders based on the person's age, blood group, location.
- Locating the nearest best suited schooling institutions and map based navigation to these locations.

- Providing awareness about Tamil-Nadu government issued scholarships for the local minorities.
- Provide navigation to best suited Training institutions and colleges.
- Provide awareness about eligible internships offered by organizations for employment seekers.
- Suggest apt post retirement plans for retired citizens and offer navigation to organizations that provide such facility.

The process to fabricate such a web-based application requires innate retrospection of the daily life activities. This application differs from other mainstream utility websites because, it aims to provide the most intuitive outputs with minimal user-provided information; which to achieve, an intense cogitation about all the possible information that can be derived from the user is required, to pin out most resourceful and pivotal information that shall suffice as inputs from the user, out of which other required procedural data can be derived and processed. To execute the service that offers best suited suggestions for an individual, this application shall implement Data Mining algorithms and Big Data-style data processing mechanisms to sort and shortlist fitting institutions, offices, banks etc. Since this application's major function is to provide navigation, it has to be made scalable such that it is able to operate on mobile devices (smart phones, tablets etc) to

offer portability and to maximize the ease to use a complex service like this application.

This application's inside shall comprise of three major modules, each representing a progressive phase in a man's life. Namely-

1. Under 18.
2. Between 18-45.
3. Plus 45.

LITERATURE SURVEY:

Stephen Greavesa, Adrian Ellisona, Richard Ellisona, Dean Ranced, Chris Standena, Chris Risselb, Melanie Craneb of Sydney, NSW 2006, Australia based School of Public Health, University of Sydney, NSW 2006, Australia proves that Designers of travel surveys are continually searching for approaches to improve the quality of data collected, encourage participation and reduce participant burden, while keeping costs down (Stopher and Greaves, 2007). New technologies have played, and will continue to play, an increasingly important role in achieving this goal, both in terms of providing new opportunities for interacting with participants and (passively) collecting location data.

Building on this, there is growing interest in using smartphones because of the options they provide for participant interaction, tracking (GPS, Wi-Fi, mobile network location, Bluetooth), and pragmatically, their increasing proliferation within the population (for instance, two-thirds of Australians now own a smart

phone). This has manifested in several efforts to design surveys using smart phone capabilities (Abdulazim et al., 2013; Fan et al., 2013). However, diaries will remain crucial to many applications and, for this reason, methods that make use of smartphones to improve the diary experience rather than simply replace them are of particular interest.

TANG Yu-fang'ZHANG Yong-sheng of School of Information Science & Engineering, Shandong Normal University, Jinan, 250014, China proves that With the continuous growth of school time, the expanding of school scale and the sharp increasing amount of fresh and previous students in each college and university, the relevant information of students has doubled and redoubled. For each of the colleges and universities, faced with such a large amount of information, in order to accurately and efficiently carry out the students management on the basis of a full grasp of information, the extent of difficult task is unimaginable. Through the SIMS, we can realize the management of students information network-based digitally, track and collect the students information real-time, accurately, reduce the workload of students information management, promote the scientific and effectiveness of students information management, thus to promote the management of college students to carry out high efficiently.

FU Yue of Chongqing Institute of Technology china proves that With the

continuous scale expansion of colleges, the number of students has increased dramatically and various students-related information contents are also doubled.

Under the background of rapid developments of colleges and universities, the trend of gradual scale expansion of students will still continue. The scale expansion has gradually increased the employment pressure on university graduates, while the rapid development of domestic economy has also made the employment environment become increasingly complicated. In this case, institutions of higher learning need a student information management system to manage all kinds of information, in order to improve the management level. The accomplishment goals of student information management system shall comprise the following aspects:

- Query of student achievement information
- Statistics of student achievement information.

The student information management system can be obtained by integrating, blocking and designing the above functions according to the requirements for structured programming.

Liangqiu MENG of Wuhan University of Technology; Wuhan, 430070 proves that With the rapid development of national economic construction, China's higher education system has changed fastly [1]. In the 21st century, information technology is an important

and irreplaceable work currently in the construction of modern universities[2][3]. Exploiting Digital and informatics in universities has been attracted more and more attentions. In general, with the increasing number of students in college, student management systems design is also important[4].

Considering current situation in college student management process, student management system is of great importance to satisfy the new requirement of the development of student management[5]. Hence, it is very urgent to develop a practical and effective student management system using technological innovation. The destination of our research is to effectively solve the prominent contradiction and problems between the heavy workload and the scarcity of human resources in current student management[6][7].

Most universities in China have independently developed information management system for themselves. However, considering there are many differences in various universities, it is very complex to utilize student information management system[8][9]. Hence, in this paper, we aim to design and develop a student management system for colleges utilizing computer aided system.

HanShanxi Datong University Datong, China proves that Significance of topic selection and development background University educational administration

managementsystem is the teaching, educational administration application software. Educational administration is one of the main daily management work of university, in school, department, division, many aspects, with the continuous reform of teaching system, especially, the spread of elective system and credit system, educational administration management work Increasingly heavy and complicated. Thus promoting the modernization of teaching management process. This school is the educational administration system to summarize the data, one of the more important link in management, through the upgrading of educational administration system, can be very handy for the school.

PROPOSED SYSTEM:

The proposed system fulfills the drawbacks and limitations of the existing systems. This project encapsulates every web service that are extensively used in day-to-day life. The major issue to tackle with this new fabrication is to ensure stability, since this application shall incorporate numerous web services.

MODULE DESCRIPTION:

Admin Module:

Admin module has control over all the users. Admin can access all the data. Allows administrator to control who has access to leap with in their project.

User Module:

By logging in with their registered mail id and password the users can be able to access their account. The users can be able to get their specified notifications based on their criteria and age. For ex: If the user reaches the age of 18 then he will be getting the notification to apply for passport and license and the necessary documents required for the application to be processed.

Server Module:

The purpose of this module is to provide a centralized place where information for the system can be stored, manipulated, and accessed. This module is created to centralize and encapsulate all data storage and retrieval duties on the system. This includes user profiles, pictures, list of colleges with their ranking. It also provides some services, such as authentication, network communication and search.

Searching and Get answer Module:

This module allows the user to search the required content and get the answer required. For ex: If he needs top 20 universities for CSE department just he needs to search for the CSE top 20 universities, then this will generate the customised search results.

METHODOLOGY:

An application such as this, that has to collect tremendous amount of data to ensure seamless functioning, obviously requires a host server.

Since this application can be perceived as a hub of utility services that are required by people, every functionality provided shall be accomplished by linking web services from 3rd party providers to this application.

Web services from 3rd parties are required for the following purposes-

- ☐ Map navigation
- ☐ School information
- ☐ College information

Among many other services that have been accounted for in the previous sections. A development platform. In this case, we have decided to proceed with .NET, for the security features provided by it.

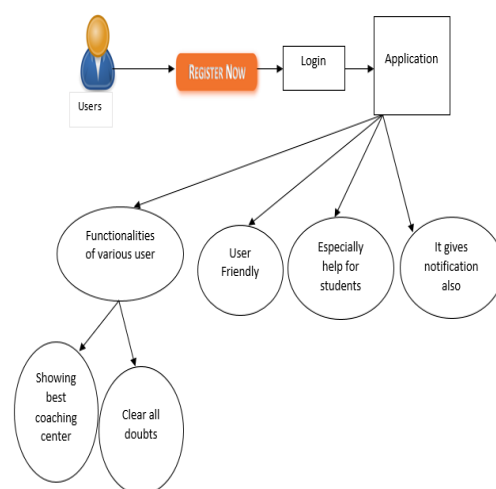


Fig 1. Architecture of Spatial Interlation module

CONCLUSION:

Multiple web based services can be made into a single, firm web app and analytical services such as the Hadoop framework can be used to optimize the application's services hence improving user convenience, save time and reduce complexity[3]. A service to make

everyday transactions simpler can be fabricated with help of the components mentioned above.

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