BUG TRACKING SYSTEM

PROJECT REPORT

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In Partial Fulfillment of the Requirement for the Award of the Degree

of

MASTER OF COMPUTER SCIENCE

A Project Report Submitted to the

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CHIDAMBARAM

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2.ABSTRACT

Bug Tracking for Improving Software Reliability (BTS) is an automated system that can be useful to employees and the managers in any functional organization. Bug Tracking System gives the facility to define the tasks in the organization and also allows the managers to track the bugs spent by the employee for that particular task. A report generation facility is supported in BTS that allows the managers to analysis which are those skills by employee are utilized and those which are not utilized. This tool can help managers for Bug estimation per project or application.

This project aims at creation of a Bug Tracking System. This project will be accessible to all developers and its facility allows developers to focus on creating the database schema and while letting the application server define table based fields in JSP and relationships between them. This system provides the following facilities.

12.CONCLUSION AND FUTUREENHANEMENT

Current bug tracking systems do not effectively elicit all of the information needed by developers. Without this information developers cannot resolve bugs in a timely fashion and so we believe that improvement to the way bug tracking systems collect information are needed. While implementing a range of improvements from discussed areas may be ideal, bug tracking systems may instead prefer to specialize, thus providing a rich set of choices. Identify information needs in a large sample of bug reports through manual inspection. This will help to compile a catalog of questions that can be used for the expert system.

International Journal of Advance Research In Science And Engineering Using this catalog, collect answers and defect locations for another large sample of bug reports. This dataset will be used to automatically learn a prediction model.Evaluate the predictions and conduct usability studies. One of the challenges for this project will be to find a representative catalog of questions that is able to predict defects.

In addition, scalability will become an issue once more questions with many unique values are used. we will move from the current prototype of the interactive system to a full-scale system that can deal with a variety of information to gather, as commonly observed in the real world.

ONLINE GRUCERY INVENTORY MANAGEMENT SYSTEM

PROJECT REPORT

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2. ABSTRACT

Inventory management system is an application which is helpful for business operate. Inventory management is a challenging problem area in supply chain management. Companies need to have inventories in warehouses in order to full fill customer demand, meanwhile these inventories have holding costs and this is frozen fund that can be lost.

Therefore, the task of inventory management is to find the quantity of inventories that will full fill the demand, avoiding overstocks. This paper presents a case study for the assembling company on inventory management. It is proposed to use inventory management in order to decrease stock levels and to apply an agent system for automation of inventory management processes. Inventory management system (IMS) use for a departmental store.

This system can be used to store the details of the inventory based on the sale details, generate sale and inventory report periodically etc. this is one integrated system that contains both the user component(used by sales persons , sales managers inventory managers) and the admin component (used by the administrators for performing admin level function such as adding new item to the inventory) etc.

12. CONCLUSION

To conclude, Inventory Management System is a simple desktop based application basically suitable for small organization. It has every basic items which are used for the small organization. Our team is successful in making the application where we can update, insert and delete the item as per the requirement. This application also provides a simple report on daily basis to know the daily sales and purchase details. This application matches for small organization where there small limited if god woms. Through it has some limitations, our team strongly believes that the implementation of this system will surely benefit the organization.

The System is more flexible in the sense that the changing requirements of the user can be easily added to the application thereby making the application recent in future too. Since, the Designing of the Screens is by using the PHP Technology, anyone knows the PHP Designing steps, can continue the process from which anyone else has quit from.Since the system is a Web-based one, the client can access the very same server from anywhere in the Globe.All software products aim at lesser degree of maintenance. This is quite natural, but enhancements also pour in, in due course of time, which is unavoidable Better technologies developers aiming for sophistication and increasing need of customers are all part and parcel of the software.

ONLINE BANKING SYSTEM

PROJECT REPORT

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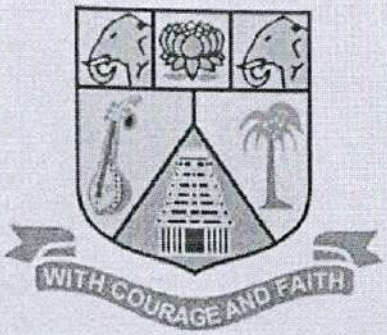

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2. ABSTRACT

"Online banking refers to provision and availment of banking- and financial services with the help of mobile telecommunication devices. The scope of offered services may include facilities to conduct bank and stock market transactions, to administer accounts and to access customized information."

According to this model Online banking can be said to consist of three inter-related concepts:

- Mobile Accounting
- Mobile Brokerage
- Mobile Financial Information Services

Most services in the categories designated Accounting and Brokerage are transaction-based. The non-transaction-based services of an informational nature are however essential for conducting transactions - for instance, balance enquiries might be needed before committing a money remittance. The accounting and brokerage services are therefore offered invariably in combination with information services. Information services, on the other hand, may be offered as an independent module.

11. CONCLUSION

The Software/system was successfully developed to meet the needs of the client. It was found to provide all the features that required for the organization. The accuracy and complexity of the software are also ensured.

The System provides benefits such as user-friendly environment, effective problem resolution and powerful search mechanisms. There is no limitations for the Concurrent users.

Apart from the above benefits, the system also holds the benefits provided by the technologies used in the development. They are:

ENHANCEMENTS

All software products aim at lesser degree of maintenance. This is quite natural, but enhancements also pour in, in due course of time, which is unavoidable Better technologies developers aiming for sophistication and increasing need of customers are all part and parcel of the software.

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VOICE RECOGNIZATION INTELLIGENCE CHATBOX SYSTEM

PROJECT REPORT

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2.ABSTRACT

This project entitled as **"Voice Recognition Intelligence Chatbox System"** it was developed as a mobile application app. The main goal of this project is to build an integrated framework to find the best educational course for the HSC students. It is a web based platform or framework that is useful to student who has no ideas of their higher studies courses, this app is help them to join for the course and the benefits of courses using voice/text chatbox. The first step all the students must register by basic information like name, email, group, cut-off marks etc. The registration conformation message send through user email address.

It has two main module-admin modules, user module. The admin can view user's chat, edit questions and view user details. In user module, user can ask questions in chatbox and they will get a respond by voice message. This method is done by using key that matches the question and answer.

12.CONCLUSION AND FUTURE ENHANEMENT

In this paper, we have implemented an automatic response giving system which will give a reply to the student's questions. The use of chatbot with voice and text intelligence and mobile app is used for implementing this system. The user will type his or her queries and then the system will extract the proper keyword from the given query and will produce the response.

The future scope can be implemented in this project in the following manner: If data is not available in a static database then it will be fetched from online sources. Because of this, every answer of the user will be generated either from online sources or static database. So in this way we have implemented an automated response generation system using Artificial Inteeligence.

CUSTOMER RELATIONSHIP MANAGEMENT

PROJECT REPORT

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2. ABSTRACT

Customer relationship management (CRM) is a combination of people, processes and technology that seeks to understand a company's customers. It is an integrated approach to managing relationships by focusing on customer retention and relationship development. CRM has evolved from advances in information technology and organizational changes in customer-centric processes. Companies that successfully implement CRM will reap the rewards in customer loyalty and long run profitability. However, successful implementation is elusive to many companies, mostly because they do not understand that CRM requires company-wide, cross-functional, customer-focused business process re-engineering. Although a large portion of CRM is technology, viewing CRM as a technology-only solution is likely to fail. Managing a successful CRM implementation requires an integrated and balanced approach to technology, process, and people.

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11. CONCLUSION AND FUTUREENHANEMENT

The Software/system was successfully developed to meet the needs of the client. It was found to provide all the features that required for the organization. The accuracy and complexity of the software are also ensured.

The System provides benefits such as user-friendly environment, effective problem resolution and powerful search mechanisms. There is no limitations for the Concurrent users.

Apart from the above benefits, the system also holds the benefits provided by the technologies used in the development. They are:

Flexibilities

The System is more flexible in the sense that the changing requirements of the user can beeasily added to the application thereby making the application recent in future too.

Since, the Designing of the Screens is by using the PHP Technology, anyone knowsthe PHP Designing steps, can continue the process from which anyone else has quit from.

Since the system is a Web-based one, the client can access the very same server fromanywhere in the Globe.

Enhancements

All software products aim at lesser degree of maintenance. This is quite natural, but enhancements also pour in, in due course of time, which is unavoidable Better technologies developers aiming for sophistication and increasing need of customers are all part and parcel of the software.

CHATBOT-BASED TOURIST RECOMMENDATIONS USING MODEL-BASED RESONING

PROJECT REPORT

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2. ABSTRACT

Chatbots can mimic human conversations and entertain users therefore these chatbots are used for many years in many applications such as education, business, information retrieval and e-commerce. Also, in other hand chatbots have gained increasing importance for research and practice with a lot of applications available today including Amazon's Alexa or Apple's Siri. In this project, we present the underlying methods and technologies in chatbots in the field of tourism because chatbots are integrated with group conversations or shared just like any other contact, while multiple conversations can be carried out parallelly.

"Chatbot for e-tourism that allows people to communicate in text and search with the purpose of booking hotels, planning trips, and asking for interesting sights worth being visit". In particular, we try to show how model-based reasoning can be used for enhancing user experience during a chat, e.g., in cases where too many possible selections are available or where user preferences are too restricted causing inconsistencies and as a consequence not possible answers to be provided. Besides the underlying foundations, we provide a use case from the intended tourism domain to show how such a model-based chatbot effectively can be used in practice. In this project we have used the basic principles of chatbots and we have got the outcome which was user friendly, easy ability to create them and use them for the purpose they aim to operate.

12. CONCLUSION

12.1 CONCLUSION:

It has been a great pleasure for me to work on this existing and challenging project. This project proved good for me as it provided practical knowledge of not only programming in PHP web based application and no some extent Windows Application and My SQL Database, but also about all handling procedure related with **"TOURIST RECOMMENDATION BY CHATBOT WITH THE USAGE OF MODEL BASED REASONING".** It has also provided knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

The project is identified by the merits of the system offered to the user. The merits of this project are as follows:

- It's a web enabled project
- This project offers user to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity
- The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stage of any new creation, data entry or updating so that the user cannot enter the invalid data, which can create problems at later date.
- Sometimes the user finds in the later stages of using project that he needs to update some of the information that he entered earlier. There are options for him by which he can update the records.

Moreover, there is restriction for him that is he cannot change the primary data field. This keeps the validity of the data to longer extent.

- User is provided the option of monitoring the records he entered earlier. He can see the desired records with the variety of options provided by him.
- From every part of the project the user is provided with the links through framing so that he can go from one option of the project to other as per the requirement. This is bound to be simple and very friendly which is one of the primary concerns of any good project.
- Data storage and retravel will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
- Decision making process would be greatly enhanced because of the faster processing of the information since data collection from the information available on computer takes much less time than the manual system.
- Allocating of sample results become much faster because at a time the user can see the records of last years.
- Easier and faster data transfer through latest technology associated with the computer and the communications.
- Through these features it will increase the efficiency, accuracy and transparency.
- There are very limitations seen in this project, they are:
- The size of the database increases day by Day, increasing the load of the database back up and data maintenance activity.
- Training for simple computer operations is necessary for the users working on the system.

12.2 FUTURE ENHANCEMENT:

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- As the technology emerges, it is possible to upgrade the system and can be adaptable to desired environment.
- Because it is based on object-oriented design, any further changes can be easily done.

E_LEARNING WEBSITE

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2. ABSTRACT

Over time, changes have been seen in different sectors of the economy, including the education sector. Unlike any other sector, the education sector has gone through many evolutions and changes. The education system has moved from Guru-Shishya Parampara to teaching in the classroom, then teaching using projectors or LEDs, and now teaching courses online or through online learning portals. online or web-based e-learning (WBEL). As can be seen in recent years, the online education system or e-learning system has become a strong contender for the new education system. Recently, it has been seen that various online courses have been offered to educate millions of people across the world on various topics. Despite cultural and linguistic differences and a diverse population, e-learning systems have become very popular among Indians in terms of affordability and affordability. The only reason for the growth of e-learning systems is the drastic changes in information technology and technological improvements. This article aims to examine the impact of e-learning or web-based e-learning (WBEL) in the modern Indian education system. At present the e-learning system will only have the course videos for the practise and the approach for internship program have to search for any other website (or) platform this is the drawback of the application. In order to overcome such difficulty, we are integrating the practice and availability of the internship program as been mentioned.

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12. CONCLUSION

The system can facilitate personalized delivery of contents based on the individual learner's knowledge and learning preferences. It will provide participants with an extensive list of summaries of related resources that they can choose to read, or archive for later use. A middleware for uniform access to all thesis resources that belong to different administration areas is proposed. In this study, a 3-tier architectural e-Learning system is defined. The objective of this architecture is to supply a basis for designers, developers and instructors to construct practicable strategic e-Learning models suitable for their individual e-Learning environments. The proposed framework using the Web Service approach will increase the efficiency and effectiveness of collaborative learning in terms of Reusability, Interoperability, Accessibility and Modularization. We have developed a web application using the python, flask as the frame work and my sql as the database.

ONLINE EMPLOYEE LEAVE MANAGEMENT SYSTEM

PROJECT REPORT

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2. ABSTRACT

This Online Employee Leave Management System project in PHP MySQL focuses mainly on keeping track of employees' leave activities. To be more precise, the system helps to keep track of employees, their departments, and leave records with respect to available types. Also, the system displays all the leave histories of the employees. In addition, the system allows managing leave types and more. Evidently, this project contains an admin panel with an employee panel as well. In an overview of this web application, an employee has a minor role and control over the system. He/she can apply for leave and list their own leave history. Here, an employee has to mention certain things in order to apply for leave days, Such as leave type, conditions, starting and ending dates. Besides, an employee can update his profile, and change their password.

An administrator has full control over the system. He/she can manage employees, system users, leave, departments, and so on. Here, each and every section has its own respective details such as name and other important details. Here, an admin first has to set up departments for maintaining further processes. Second, the administrator can manage employees with their respective details. Moving towards the leave types section, allows the user to manage types of leaves for the organization. To be more precise, this particular section plays an important role for the employees in order to apply for a leave.

12. CONCLUSION

12.1 CONCLUSION

Employee leave management system for managing staff leave in higher institution has successfully been developed. The system was developed in line with three tier architecture software model and implemented using web based technologies which include CSS, JS, HTML, MySQL. The system serves as improvement in staff management, maintain accuracy, transparency and highlight the need to integrate advance technology in employee record and welfare management in higher institution. The developed system enables the employees in academic institutions to request and track their leave at their own convenient time in timely manner. Superior officers of the institution and administrative department can create leave policies, check transparency and plan activities ahead of time. Further researchers can integrate Unstructured Supplementary Service Data (USSD) into the System to manage employees leave and emergency welfare.

12.2 FUTURE ENHANCEMENT

The leave that have not been availed by the staff in the given session can be automatically carried forward to the next working session depending on the HR policy of the organization. Every employee individual leave record can be tabulated in a pie chart format to ascertain his/her performance during the working session for HR appraisal activity.