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Industry Visit Tour System

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ABSTRACT: Industry visit tour system is a specific web- based reservation system designed to make it easier for people or college to book industrial tour packages online. The most important part of the industry visit tour project is its database. The database is full of Buses, Trains timings and availability. Online travel agency is a web- based project where a user may search and apply for a travel service or package. Thus, this software system automates the working of a travel agency and allows the users to check various travel destinations and choose his destination accordingly.

KEYWORDS: Industry Visit, College, Buses, Trains, Availability

I. INTRODUCTION

"Industry Visit Tour System" is a specific web-based reservation system designed to make it easier for people or college to book industrial tour packages online.

The most important part of the Industry Visit tour project is its database. The database is full of Buses, Trains timings and availability. Online travel agency is a web-based project where a user may search and apply for a travel service or package. The system allows the user to check various travel destinations and choose his destination accordingly. The software system checks for user choice and then queries the database for various available mediums to travel to that destination. The system then loads all that data and puts those choices in front of the user. The user can now choose various ways to reach his destination. When the user chooses the Bus or train option, the system also allows the user to book tickets to the destination for the desire day and timings. Thus, this software system automates the working of a travel agency and allows users to check and book his holidays online through this website.

II. RELATED WORK

Scheduling:

Software project scheduling is the activity that has distributed estimated effort across the planned project of Industry Visit Tour System duration by allocating the effort to specific software engineering tasks. It is important to note, however, that the schedule has evolved over time. During early stages of project planning of Industry visit Classification, a macroscopic schedule was developed. The schedule identified all major software engineering activities and the product functions to which they were applied. As the project of Industry Visit Tour Classification got under way, each entry was refined into a detailed schedule.

Here specific software tasks (required to accomplish an activity) were identified and scheduled. Scheduling for software engineering projects such as Industry Visit Tour Classification can be viewed from two rather different perspectives. In the first, an end date for release of computer-based system had already (and irrevocably) been established. The software organisation was constrained to distribute effort within the prescribed time frame. Effort was distributed to make best use of resources and an end-date was defined after careful analysis of the software.

A bar chart, is perhaps the simplest form of formal management. The bar chart is used almost exclusively for scheduling purposes and therefore controls only the time dimension of projects. Gantt chart (developed by Henry L. Gantt) is a project control technique that can be used for several purposes, including scheduling, budgeting and resources planning. A Gantt chart is a bar chart, with each bar representing an activity. The bars are drawn against time line. The length of each bar is proportional to the length of the time planned for the activity.

A Gantt chart helps in scheduling the activities of a project, but it does not help in identifying them. One can begin with the activities identified in the work breakdown structure, as did for the compiler example. During the



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scheduling activity, and also during implementation of the project, new activities may be identified that were not envisioned during the initial planning. The manager must then go back and revise the breakdown structure and the schedules to deal with these activities.

III. PROPOSED SYSTEMS

Considering the anomalies in the existing system computerization of the whole activity is being suggested after initial analysis. "Industry Visit Tour System" is a specific web-based reservation system designed to make it easier for people or college to book industrial tour packages online. Admin access the modules such as adding subjects, places, package details. System allows admin to view all the booking details as well as the user details. User need to register in order to login and access the inner modules. User may login and view various industrial tour and travel destinations with the package details and pricing for each person. If user wants to take multiple people on tour, then he/she needs to specify the no. of people for the tour. Based on no. of people, the system will automatically calculate the cost which is payable by the user using online mode. Each one's amenities type is shown in the system with image and respective costing. The user may then pay via credit card. After booking is successful, user receives an email notifying the booking details.

Functional Requirement:

In software engineering, a functional requirement defines a system or its component. It describes the functions a software must perform. A function is nothing but inputs, its behaviour, and outputs. It can be a calculation, data manipulation, business process, user interaction, or any other specific functionality which defines what function a system is likely to perform.

- Allows only the authorized user to interact with the dataset.
- Information of developer and instruction for processing.
- Dataset should be loaded properly.
- Preprocessing of data.
- Result as per the selected text.
- classify the data into categories.
- Username and password are provided when the user registrations are confirmed.
- The user must be able to logout after they have finished using system.
- System must be able to validate the yields.

Software Requirement Specification (SRS):

A software requirements specification (SRS) is a description of a software system to be developed. This is achieved through detailed and continuous communications with the project team and customer throughout the software development process.

System requirement specification provide various requirement of the project such as software and hardware requirement. Understanding user's requirements is an integral part of information system design and is critical to the success of interactive systems. It is now widely understood that successful system and product begin with an understanding of the needs and requirements of the users. User centred design begins with a through under- standing of the needs and requirements of the users. The benefits can include increased productivity, enhanced quality of work, reductions in support and training costs, and improved user satisfaction.

Non-Functional Requirement:

The non-functional requirements of the proposed system include those functions which does not affect on function and behaviour of project for desired goal and objective of project. The system is designed for a user-friendly environment so that the user does not face any difficulty.

Non-functional requirements can be divided into two main categories: Execution qualities, such as security and usability, which are observable at run time. Evolution qualities, such as testability, maintainability, extensibility and scalability, which are embodied in the static structure of the software system.

• Reliability Requirement: -

The system should accurately perform user registration, user validation, user confirmation.

• Usability Requirement: -

The system is designed for a user-friendly environment so that the users do not face any difficulty.

• Availability: -

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The system will be available on all days 24*7 Anyone can operate it any time.

• Security: -

There must be a password. The password can contain any character, upper-case, lowercase, symbol etc.

Product Features:

1) Load Balancing: Since the system will be available only the admin logs in the amount of load on server will be limited to time period of admin access.

2) Easy Accessibility: Records can be easily accessed and store and other information respectively.

3) User Friendly: The Website will be giving a very user-friendly approach for all user.

4) Efficient and reliable: Maintaining the all secured and database on the server which will be accessible according the user requirement without any maintenance cost will be a very efficient as compared to storing all the customer data on the spreadsheet or in physically in the record books.

5) Easy maintenance: Industry Visit Tour System is design as easy way. So, maintenance is also easy.

Use case Diagram:

A use case diagram shows the interaction between the external entities and the system. These entities are known as Actors which have a specific role in the system. Use cases show the functions of the system. The figure given below shows the use case diagram of the proposed system. The purpose of the Use Case diagram is to show or know the functionality of the proposed system. This use case diagram of the proposed system contains some of the basic functionalities such as Load data-set, Display result and Recommend product, etc.





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System Architecture :



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Class Diagram:



IV. CONCLUSION

This was our project of System Design Lab about "Industry Visit Tour System". Development of this System takes a lot of efforts from us. We think this system gave a lot of satisfaction to all of us. Though every task is never said to be perfect in this development field even more improvement may be possible in this application. We learned so many things and gained a lot of knowledge about development field. We hope this will prove fruitful to us.

V. FUTURE WORK

This web application has made it possible to book a trip online and to compare prices so that user can be sure that they are getting a good deal. In future Admin Can add subjects such as IT, Botany, Art, Hotel Management, vacation, history...etc. It is Ease to maintain both System as well as Database. Many selection and filter tools will be added in future. Allows customer to comparison shop. In future we can add hotels booking section. This System has integration of the most popular payment gateways; thus, this software system automates the working of a travel agency and allows users to check and book his visit online through this website.

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