PG Portal and Tiffin Services Management System

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Abstract- *In the current era, the websites which are used by the user for various rental purposes like room accommodations, paying guest services, food services are present in different applications with their respective modules. These modules are not only complicated but also discreet which make the whole task time-consuming and lethargic. In order to eradicate these problems, we need a solutions such that user is able to complete as well as modify rental accommodations. These applications are perfectly fine in their respective fields but they are discrete. Due to this nature of isolations a particular user when trying to access both these features in a single platform finds him in a spot of bother. In order to remove this issue of redundancy, we are generating an application which will merge all the features into one single application. This integrated platform will help the user to save data, time and money. The proposed system is a python based application and maintains a centralized repository of all related information. The system allows one to easily access the relevant information and make necessary judgment regarding PG's selection. User can take a look on different aspects of the information provided like location map, food, and price and security.*

Keywords- room accommodation, Tiffin services, pg portal, online payment,

I. INTRODUCTION

The proposed system is a website which is built in NODE.js TECHNOLOGY. Also available in android Application. It provides the Candidate's ability to register to this application and manage their accounts. Each candidate will have an account with their own home page. Registered owners can add prices, delete and update prices and room accommodation and meals details. Admin can send push notification to the owner for the changing the prices. Also owner can be aware of the updating prices and different various events. Admin has authority to change the prices. Stakeholder can be aware of the prices of rooms and meals so that he/she can make decision of business.

II. LITERATURE REVIEW

The perspectives of organizational, marketing and strategic management theories provide a reliable theoretical groundwork to understand the important managerial aspects of menu. For instance, organization theory explicitly emphasizes the influence of external environment both on the decisions of firm managers and the survival forms on the long run. More specifically, external environment is one of the central themes of organization theory and the relevant studies (Duncan, 1972; Jurkovich, 1974; Dess and Beard, 1984; Ashill and Jobber,1999) primarily propose that managers essentially consider the influential external factors that create uncertainty, diversity and volatility while making their decisions. Planning and operating menus in a restaurant context involve considering external factors such as customers, rivals, and vendors that have a great potential in creating uncertainty, diversity and volatility in the restaurants' immediate business environment. Complementing this view, marketing theory recognizes the importanceQ6ofidentifying the needs and expectations of customers, and developing and improving products and service perfectly fitto those needs and expectations. Additionally, pricing, promoting and distributing the products and services should also be consistent with the customers' needs and expectations on the one hand, and with the firm's objectives on the other hand. Thus, in the restaurant context, it is imperative that menu as the food and beverage combinations offered by a restaurant reflects the expectations and needs of customers. Moreover, managing menus involves planning, pricing, designing, distributing and promotional decisions which are also the main issues of marketing

III. TECHNOLOGY

Now a day, people face a lot of difficulty to manage their food and residence. They use newspapers for the solution of the problem. So that using this system we can solve this problem. This system will notify user for the food or residence near them. This is how we can solve their problem.

This system is an online reservation based system and is specially created for the User and Owner. The users can check the prices. The registered owners are allowed to updates the details and their prices. This system will be designed to provide a common platform between various room accommodation and meals. There are three basic users – Admin, Owner and Students. Owner can register with the site Admin can view all the details and requests.

- Admin has the authority to add/delete both users, to generate and update the details and prices. He can send push notification to the Owner for updating the prices.
- Users can check daily updates prices of room accommodations and meals.

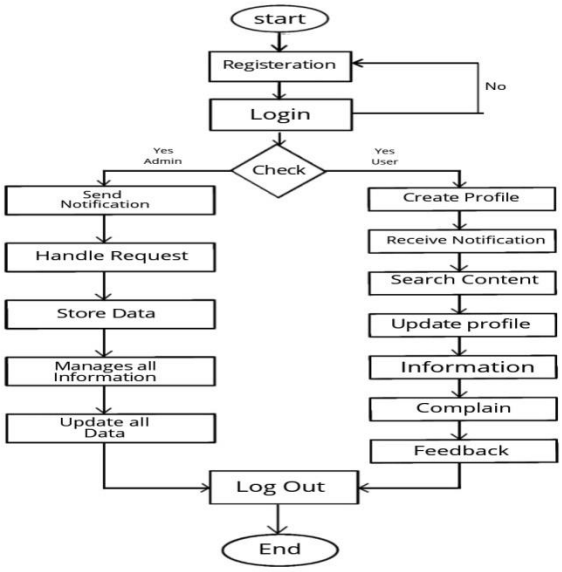
IV. STUDIES AND FINDINGS

- Authentication
- URL routing
- Template Engine
- ORM
- Database Schema Migration

V. SYSTEM DESIGN

1) Flow Chart

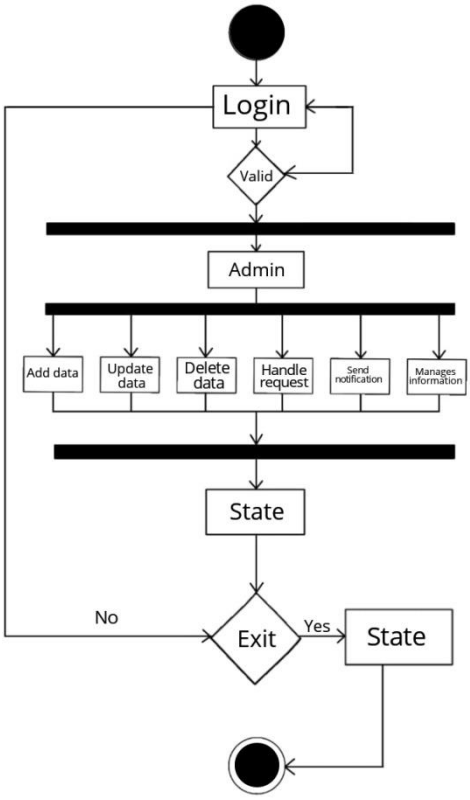
The flowchart is means of visually presenting the flow of data through an information processing systems, the operations performed within the system and the sequence process. Lines and arrows show the sequence of the steps, and the relationships among them. These are known as flow chart symbols.



Flow Chart

2) Activity Diagram

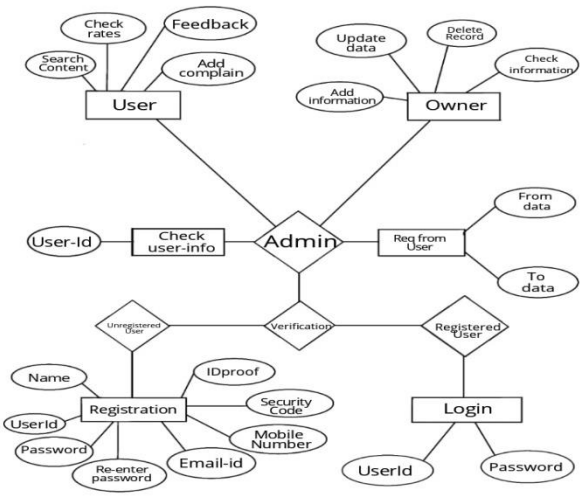
An activity diagram is a visual representation of the "flow" of data through an information system, modeling its operation aspects. Activity diagrams are schematic representations of step-by-step workflows and behavior supported by choice, iteration and concurrency. In the Unified Modeling Language, activity diagrams can be used to describe the business and operational step-by-step workflows of components in a system. An activity diagram shows the overall flow of control.



Activity Diagram

3) E-R Diagram

In the field of software engineering, an entity-relationship model (ER model) is a data model for representing the data or knowledge elements of a business area or its process specifications in an abstract manner that ends up being applied in a database such as a relational database. The key components of the ER models are individuals and interactions that could occur between them and databases. An entity-relationship model is a formal way to describe and define a business process.



Entity-Relationship Diagram

VI. CONCLUSTION

We will develop "TIFFIN SERVICES AND PG PORTAL" System with great concern and will try our best to implement as many as features to make it viable and usable. This system is a powerful and easy-to-use for the user in their day to day life. This System provides daily price option. This is the easiest way for the users. It is the Application with the latest platform that fulfils the required needs of user and. Now days, technology is increasing day by day for making the works of human being easier. It is the platform for the owners to update prices. In this system admin can send push notification to the owner for the update prices of meals and rooms.

VII. ACKNOWLEDGMENT

Defeat is not when you fall down; it is when you refuse to get up. We faced many difficulties during our project to ensure, right from the requirement gathering to implementation. There were times when the goal looked beyond reach but all difficulties were accepted as challenge. Greater the challenges were the effort to overcome it. It has been rightly said that we are built on shoulders of others. For everything we have achieved the credit goes to all those who really helped us in completing this project successfully.

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