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INTRODUCTION

- It facilitates the users with a graphical interface for enquiring and reservation.

- Providing support for reservation will also require that the system records information of the various trains running on various routes as well as information about the routes themselves (including the stations and the timings of arrival and departure at/from each station)

PROPOSED SYSTEM

To keep pace with time, to bring about the best result without malfunctioning and greater efficiency so to replace the unending heaps of flies with a much sophisticated hard disk of the computer; we have to use the data management software.

Our website has various kinds of information that helps regarding booking of tickets via railways . Users will be able to search the train availability , the exact fare ,the arrival and departure time of the train and they can also book the ticket by using the debit ,credit or master car

FEATURES

- Registration

- Password

- Login and logout

- Search train

FEATURES

- **Booking**

- **Cancellation**

- **Check pnr status**

System Architecture

A typical three-layer structure is used in the system: the database layer, the application service layer, the user interface layer.

The database layer The database is used to hold data, including user registration information, ticket ordering information, ticket information and all of the other information.
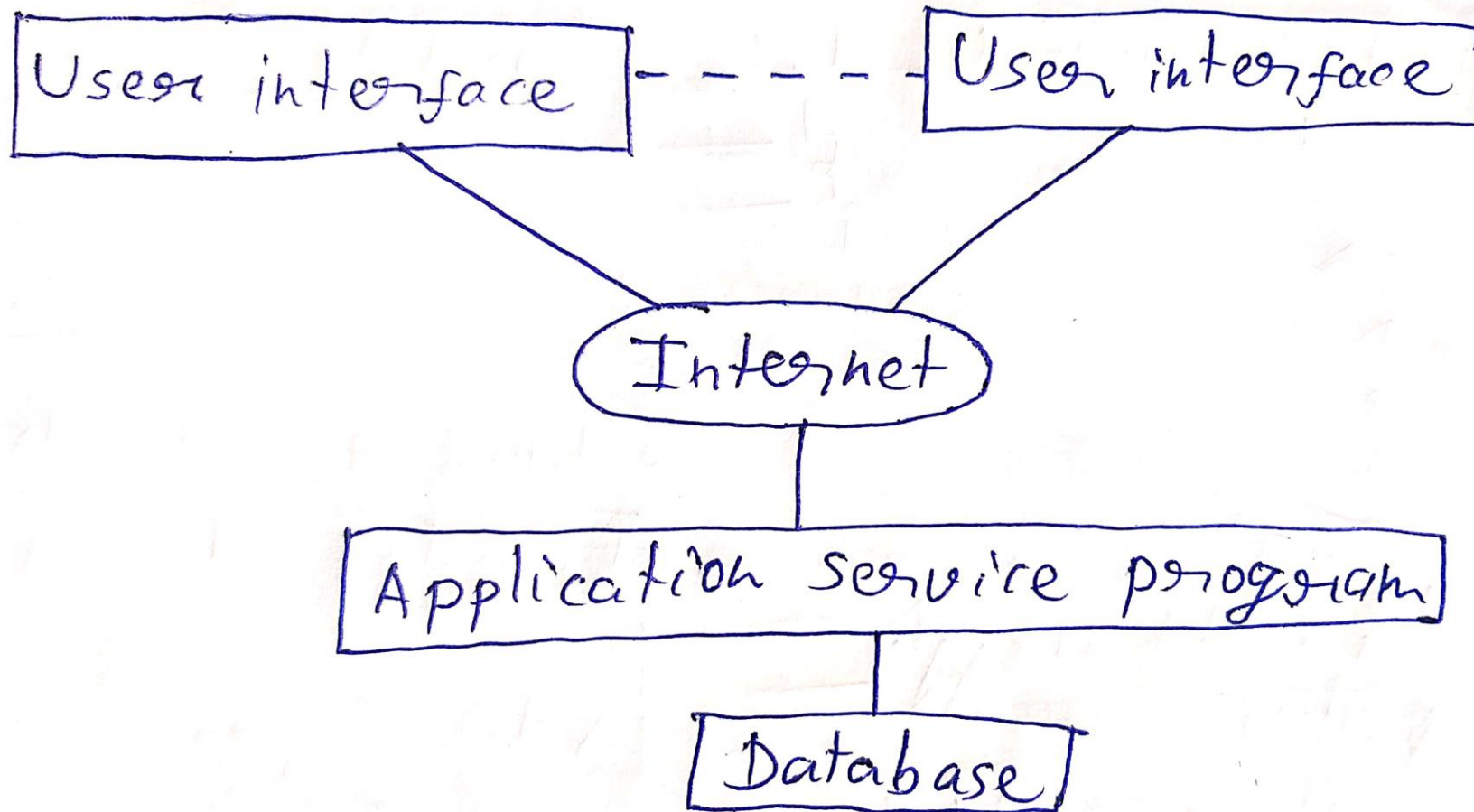
The application service layer The application service layer is the core of this three-layer structure,

the system functions and business logic are handled in this layer
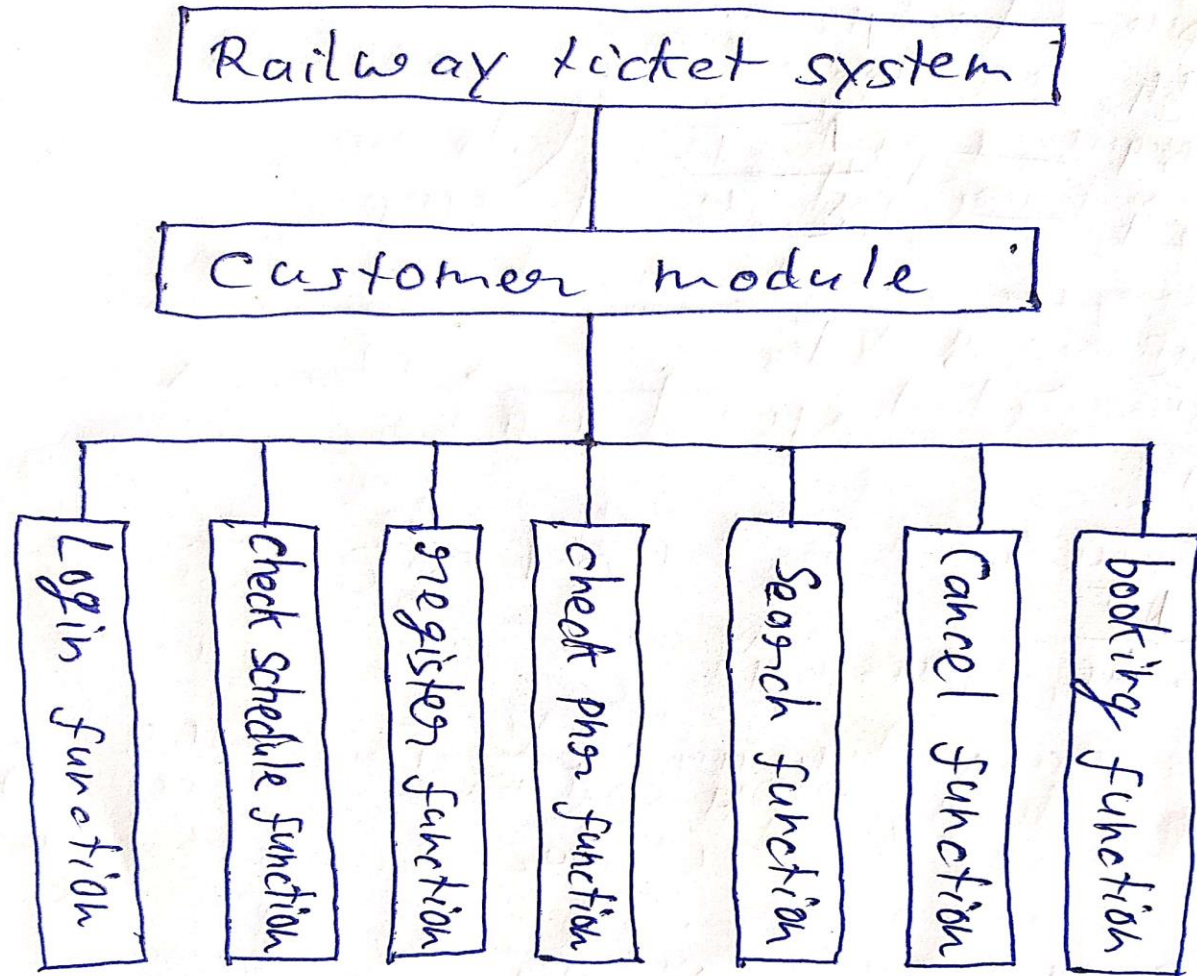
System Architecture

The user interface layer The user interface layer is a program that runs on a remote user computer. It displays the provided services by the server to the user. When the user selects a service, this program sends request to the server. When the server returns the processed result, this program shows it to the   user

System Architecture

System function

System Design

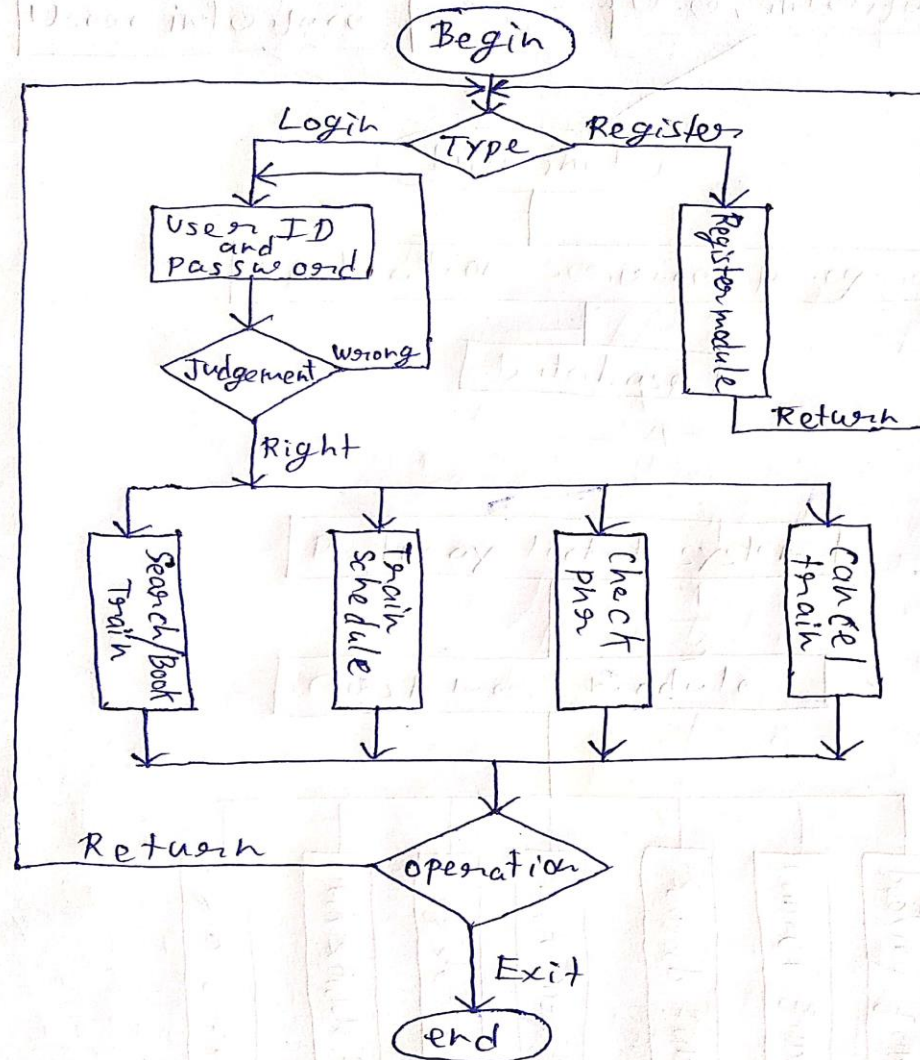Customers register personal information, so they can order tickets in the system.

Customers search train information through the system and see whether having appropriate tickets.

Customers order tickets on the user interface.

The system returns the result of ordering tickets information.

Customers can select cancelling operation for some reasons, so the personal information will be removed from the system

System Design

THE TECHNOLOGIES USED IN THIS PROJECT ARE :

Hypertext Markup Language (HTML) is a computer language that makes up most web pages and online applications. A **hypertext** is a text that is used to reference other pieces of text, while a **markup language** is a series of markings that tells web servers the style and structure of a document.

HTML is not considered a programming language as it can't create dynamic functionality. Instead, with HTML, web users can create and structure sections, paragraphs, and links using elements, tags, and attributes.

THE TECHNOLOGIES USED IN THIS PROJECT ARE :

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs,variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

THE TECHNOLOGIES USED IN THIS PROJECT ARE :

JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user. Common examples of JavaScript that you might use every day include the search box on Amazon, a news recap video embedded on The New York Times, or refreshing your Twitter feed.

Incorporating JavaScript improves the user experience of the web page by converting it from a static page into an interactive one. To recap, JavaScript adds **behavior** to web pages.

THE TECHNOLOGIES USED IN THIS PROJECT ARE :

Django—pronounced "Jango," named after the famous jazz guitarist Django Reinhardt—is a free, open source framework that was first publicly released in 2005. Django facilitates "rapid development and clean, pragmatic design." The Django web framework, deployed on a web server, can help developers quickly produce a web frontend that's feature-rich, secure and scalable. Starting with the Django web framework is more efficient way to build a web app than starting from scratch, which requires building the backend, APIs, javascript and sitemaps. With the Django web framework, web developers can focus on creating a unique application and benefit from greater flexibility than using a web development tool.

Conclusion

In this paper, we design and achieve a railway online ticketing system.The system is structured into the data access layer, business logic layer and business exterior layer. We implement customer registration, customer cancellation, ticket inquiries, online booking, in the system . System design and database design is the focus of this system which are clearly and effectively designed by the business process diagrams . The efficiency of booking is improved, manual booking errors is reduced, the management of railway passenger transport and customer booking is facilitated.

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Thank You