## MANUAL SYSTEM

Manual system means a system which does its work itself not by help of any technology in which paper work has some special place. All conventional methods are in more use instead of new technologies.

Now as everybody knows that computer graphs at it extend means the more you can use computer system the more you can make your work easier. And if in this case, system is not computerized then it must face a lot of problems. Because every task gets complex and time consumable.

Problems in Manual System includes:

⦁ Costly

⦁ Difficulty in searching the records

⦁ Maintenance Problem

⦁ Time consuming

⦁ Tedious

## PROPOSED SYSTEM

Proposed system is a system which is computerized in every manner. Computerized system is not just adding machines but they can do much complex, tedious and cumbersome task. Processing of data by hand is satisfactory only when the amount of data to be processed is small and also the manual processing is slow, monotonous and often subject to error. Above explanation is clearly telling us that existing system contains a lot of deficiencies which can be removed only by following the proposed system.

Now a days, computer graph is at its extent. Computerization contains a lot of benefits so that everyone is chasing and following computerized items. Now, question arises what kind of help this project or computerized system can give to remove all disadvantages of this existing system.

## 3. INTRODUCTION

In day-to-day work process of an organization, there are lots of things happening, which need to be keep tracked, for our ease in future. Of course, there is lots of way to perform this task. We can either maintain these records manually or by using computerized system. In current scenario, where we always thing to increase productivity utilizing our working hours more and more, it is always recommended to go for such automated system, which provide me maximum facility to do the same in a less time and minimum manpower. So I thought and designed a commercial project for Airways Management System.

A computer-based management system is designed to handle all the primary information required to book flight tickets and cancel.

Separate database is maintained to handle all the details required for booking and canceling flight tickets. This project intends to introduce various user friendly activities, such as record updating, maintenance, and searching. The searching of record has been made quite simple as all the details of the flights can be obtained by: simply logging in and flight ticket booking and cancelling can also be accomplished. These details are also being promptly automatically updated in the master file thus keeping the record up to-date.

For processing the data we have chosen MySQL as back end and Python as front end, which can manage database for a very large class of the possible application. This project is client-server-based application system to computerize at bank work. The modules involved currently in this system are: Ticket booking and cancelling.

TEAM MEMBERS AND TEAM DETAILS

Team Members:

ANANDHA KRISHNAN.V

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HARI DHEJUS.VS

Team details:

The project “Airways Management System" has been designed and developed solely by the fore mentioned individuals. The various components of the project were shared between the team members.

## 5. OBJECTIVE OF THE PROJECT

The main objective of the Airways Management System is to manage the details of flight tickets. It manages all the information about Airways Ticket, Bookings, Venders, Airways Ticket. This system allows people to register for flight tickets. It also allows the user to update the pass by updating the details. This system uses a mobile android application for bus passes. Passengers and ticket checkers will have an android app. The main objective of our project is providing the different typed of customers facility. The main objective of this system is to find out the actual customer service. Etc. It should be user friendly. It should increase the productivity of bank by utilizing the working hours more and more, with minimum manpower. This project includes the entire upgraded feature required for the computerization banking system. This system is very easy to use, so that any user can use without getting pre-knowledge about this

## 6. SYSTEM SPECIFICATIONS

Hardware specification**:**

* + LED Monitor
  + Keyboard and mouse
  + Processor Speed: 533MHz
  + RAM: 2GB or More
  + Hard Disk: 2.00 GB

Software specification:

* + Operating System: Windows 10 or above
  + IDE: IDLE Python
  + Front End: Python 3.7 or above
  + Visual Studio Code
  + RAM: 2GB or More
  + Hard Disk: 2.00 GB
  + Back End: MySQL server 5.0 or above

**7. Working environment**

## Python:

Python is a popular programming language. It was created by Guido van Rossum, and released in 1991.

It is used for:

i) Web development (server side)   
ii)Software development   
iii)Data analysis

iv)System scripting

**Python** is a dynamic, high-level, free open source, and interpreted programming language. It supports object-oriented programming as well as Procedural-oriented programing. Python is a high level general purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation.

## What python can do?

Python can be used on a server to create web applications.

Python can be used alongside software to create workflows.

Python can connect to database systems .It can also read and modify files. Python can be used to handle big data and perform complex mathematics. Python can be used for rapid prototyping, or for production-ready software development.

## What is MySQL?

MySQL, the most popular Open Source SQL database management system, is developed, and supported by Oracle Corporation. MySQL is the world’s most popular open source database. According to DB-Engines MySQL powers many of the most accessed applications, including Facebook, Twitter, Netflix, Uber, Shopify, and Booking.com. Since MySQL is open source, developers love its high performance, reliability, and ease of use.

MySQL is fast, reliable, scalable, and easy to use. It was originally developed to handle large databases quickly and has been used in highly demanding production environments for many years. Although MySQL is under constant development, it offers a rich and useful set of functions. MySQL’s connectivity, speed, and security make it highly suited for accessing databases on the internet.

MySQL’s key benefits include

* Ease of use
* Reliability
* Scalability
* Performance
* High availability
* Security
* Flexibilit

## 8. MODULE DESCRIPTION

To develop software which maintains all the record of day to day booking, canceling, searching available flight etc. All the record are stored in MYSQL Database. The project consist of four modules:

1. Login details

2. Flight ticket booking

3. Flight ticket cancelling

4. Checking availability of tickets

**MODULE DESCRIPION:**

1. Login details used for user authentication check for

## 9. SYSTEM DEVELOPMENT LIFE CYCLE

SDLC is a step-by-step procedure or systematic approach to develop software and it is followed within a software organization. It consists of various phases with describe how to design, develop, enhance, and maintain particular software.

**Phase 1:** Requirement collection and analysis

In this phase mainly focus on gathering the business needs from the customer. It determines the system? Who is going to use the system? What should be output data by the system? These questions are getting answered during this phase.

**Phase 2:** Feasibility study

In this step, we examine the feasibility of the proposed system.

This decision is taken based on the cost, time, resources etc.

**Phase 3:** Design

Design is a blue print of the application and it helps in specifying hardware and requirements of the system and helps in defining architecture of the system.

**Phase 4:** Coding

Once the system design document is ready in this phase, developers starts writing the code using any programming language i.e., they start developing the software.

Generally, task is divided in units or modules and assigned to the developers and this coding phase is the longest phase of SDLC.

**Phase 5:** Testing

During this phase, test engineers may encounter some bugs/defects which need to be sent to developers, the developers fix the bug and sent back to test engineers for testing.

**Phase6**: Installation / Deployment

Once the product developed, tested, and works according to the requirement it is installed/deployed at customer place for their use.

**Phase7**: Maintenance

When the customer starts using the software, they may face some issues and needs to be solved from time to time means need to fix those issue, tested and handed over back to the customer as soon as possible, which is done in the maintenance phase.

**10. ALGORITHM**