



Welcome

A
Presentation
On
“Fees management system”

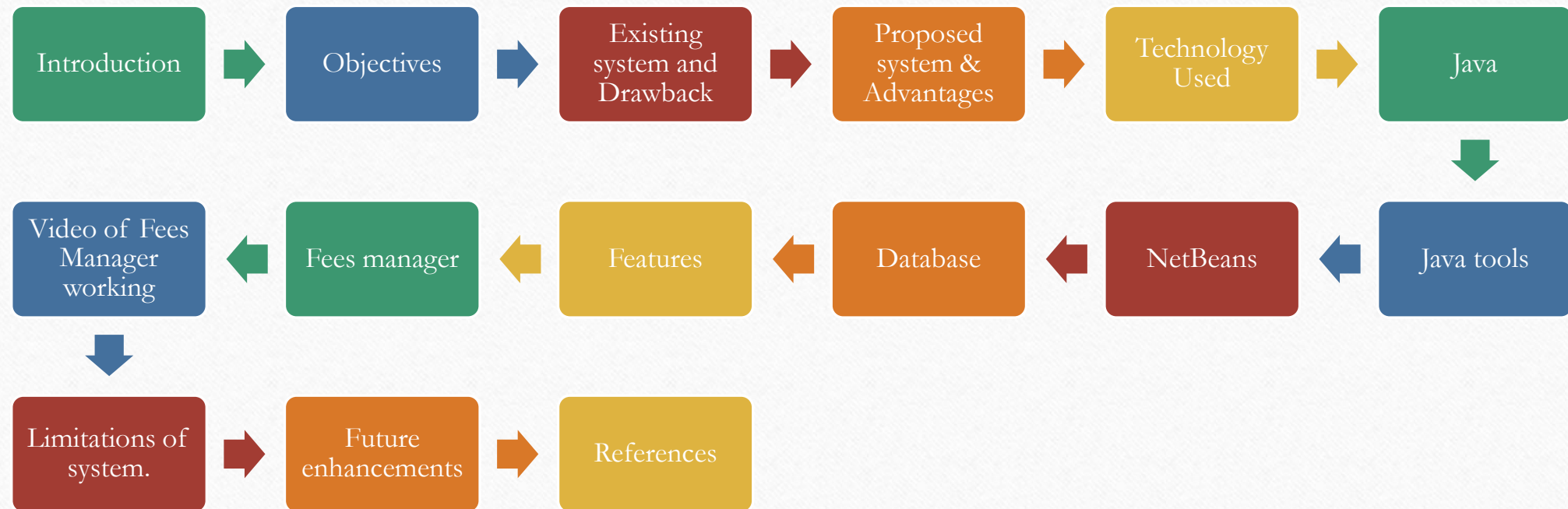


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Introduction

This project is a desktop system that enables efficient storage of student records to properly manage the fee records of the students. And it also generate receipts of students fee.



The system is designed for Fees management of college administration department .It makes add and searching records easier and faster.

Objectives

To reduce paperwork.

To make storage of information more efficient and secure.

To have a user friendly interface.

To operate it easily and with minimum experience.

To save time and energy of the admin and students.

Existing System & Drawback

In the existing system, Colleges have to manually maintain information regarding to fees deposited by the students.

College management System are complex and time consuming to maintain fees of students by that very difficult.

It is not properly capable to manage the student records with their fee details at a single place.

Proposed System & Advantages

The Fee Management System is a desktop system aimed at maintaining college courses and students fees details.

It also generate records like i.e. Fees paid receipt, collection report, and etc.

The system requires small amount of time to generate reports needed to manage the fees of the students.

Technology Used

Front End-

- NetBeans IDE 12.3
- Java

Back End-

- Java DB (Derby)

Java

- Java is a general-purpose **programming language** that is concurrent, class-based, object-oriented. Java is a popular general-purpose programming language and computing platform. It is fast, reliable, and secure.
- It is intended to let application developers “write once, run anywhere” (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.

Java tools

- **Java Development kit:-**

The JDK is a key platform component for building Java applications. At its heart is the Java compiler. The Java Development Kit (JDK) is one of three core technology packages used in Java programming, along with the JVM (Java Virtual Machine) and the JRE (Java Runtime Environment).

- **Software Development kit :-**

A software development kit (SDK) is a collection of software development tools in one installable package. They facilitate the creation of applications by having a compiler, debugger and perhaps a software framework. They are normally specific to a hardware platform and operating system combination.

NetBeans

NetBeans IDE is a free and open-source integrated development environment for **application** development on Windows, Mac, Linux, and Solaris operating systems. The IDE simplifies the development of web, enterprise, desktop, and mobile **applications** that **use** the Java and HTML5 platforms.

NetBeans is coded in Java and runs on most operating systems with a Java Virtual Machine (JVM), including Solaris, Mac OS, and Linux.

Database

Apache Derby is a **Relational Database Management System** which is fully based on (written/implemented in) Java programming language. It is an open-source database developed by Apache Software Foundation.



Oracle released the equivalent of Apache Derby with the name Java DB.



Features of Apache Derby:-

Platform
independent

No modifying data

Transactional
support

Including
databases

Less space

Embed with Java
Application

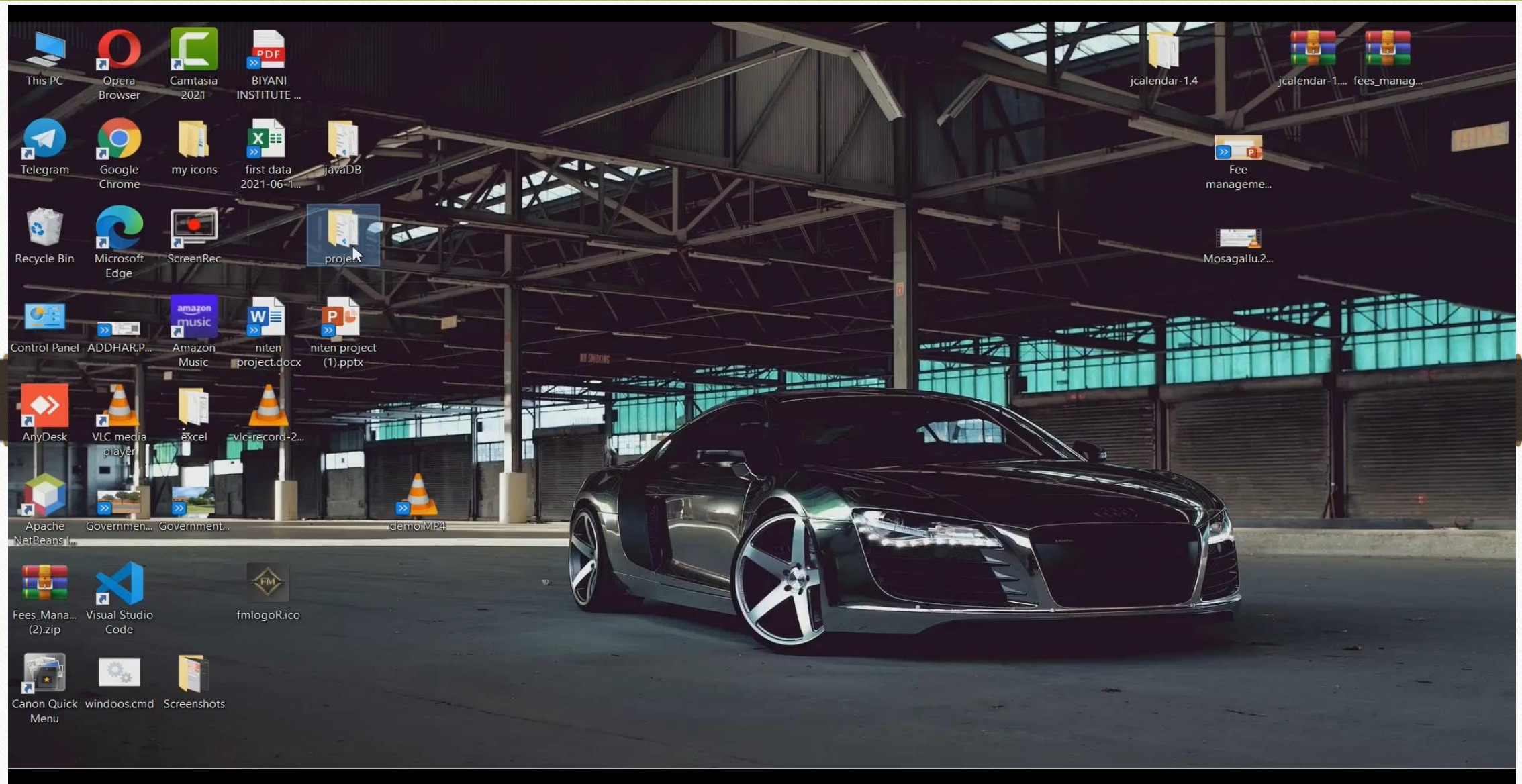
Features

- Fees management system is user friendly.
- Fees manager is fully secure system.
- Admin can create fee structures, enter received payments details.
- No technical training is required for staff.
- All the fee transactions are saved in database .
- Admin can get print form of transactions and session report.

Fees manager

- Login and signup page.
- Home page.
- Add and update fees details pages.
- Print receipt page.
- Edit and view course pages.
- Search and view records pages.
- View report page.
- About .

Video of Fees Manager Working



Limitations of System



Specifically designed
for a individual
College.



Inserting student
records are not
possible.



It is based on the
Desktop application.



Not including fees
other than academics
like bus fees and etc.



There are only limited
number of modules
for fee management .

Future enhancements

We can give more advance software for Fees Management System including more facilities.

In future, this project can run on any OS. We can add authentication by USER ID in this project.

Here we can maintain the records of Student fees deposits. Also. as it can be seen that now-a-days the players are versatile. i.e., so, there is a scope for introducing a method to maintain the Fees Management System.

We have left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them.



References

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Any query





Thank you
