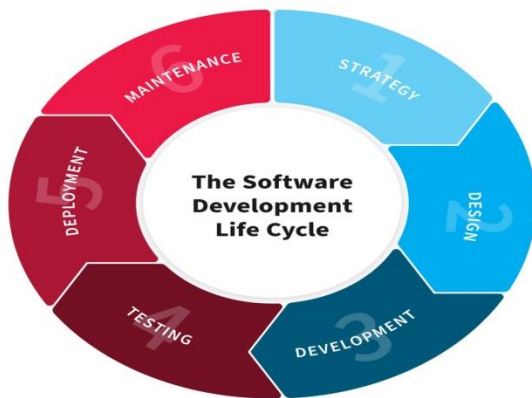


NTAGISANIMAN A Florence

REG: 221019011

CLASS NO: 12



STUDENT MANAGEMENT SYSTEM

The student management system: is an application that aims make the management of student records and information easier by providing a platform for admins to manage student data such as marks, scores, and course and student registration.

PLANNING

These systems work to coordinate scheduling and communications between faculty regarding students. This system exists to simplify information tracking for administrative staff. It is done through the automated computerized method. Conventionally this system is done using files, and access student management platform. This system saves the time of the administrator.

Goals of student management system

Automated the management of student

It helps to give platform that administration used to access and manage student data

Objectives

Develop application software that used to access input storage and retrieve student data

Problem that student management system solve

Inefficiency in current manual for managing student information

DESIGN

This system is designed to track, maintain and manage all the data generated by a School, including the marks of a student, courses, their interpersonal activities records, etc., in this system they have database

that stores all the day-to-day student information or personal information. This system can be developed and work with user wants for functional requirement

Functional requirements

User friendly: user will make interact with the system through interface that are able to navigate

Secured: this system can be secured in order to protect hacker and virus

Visualized: system can be visible in order to make interaction or attract with user

Accessible :system can be every user to access it

DEVELOPMENT

In development stage the system can be developed by using java using Apache, NetBeansIDE, MySQL database, MySQL connector, jdk, j calendar. This may include for creating an interface in Net Beans and developing app with java swing.

Database design and setup:

Creating database schema and database model with system (admin, student, courses, and score)

Relationship with tables

Connecting to MYSQL using mysql-connector-java-8.0.26 driver

Project development

Open apache NetBeansIDE

Create new java project for student management system

Develop interface of the system using java swing

Handling communication with application and database

Implementing login system

Make sure data is well stored retrieve and manipulation

TESTING

This testing early in student management system can help mitigate the absence-of-errors fallacy because if you test at the requirements level, you can help ensure that the software will meet your user's

requirements. If you have errors in developing system you can able to debug it in order your system can be work done well.

Testing early in student management system

Ensure if component of system work currently

Develop integration system

Ensure functional and technical requirement are meet

Debugs that are identified during testing

Able to correct feedback comes to the user

Ensure to make improvement

DEPLOYMENT

In the deployment the system can be completed and then you can give or send to end user to deploy on your own laptops or desktop in other to verify if system is working well in your devices with matching with your operating system.

This project is saved on github for the link: <https://github.com/ntagisanimanaflorence/student-managements>

MAINTENANCE

Able to correct feedback comes to the user and Ensure to make improvement of system

Continuously to fix any defects issues

Conclusion

Student management system is efficient solution for managing student records and information

This project can be using SDLC process such as planning design development testing deployment and maintenance.

It was developed in java using Apache NetBeanIDE and MySQL databases