Format to report your ADVANCED JAVA PROGRAMMING PROJECTS

The Software Development Life Cycle

1 STRATEGY
2 DESIGN
3 DEVELOPMENT
4 TESTING
5 DEPLOYMENT
6 MAINTENANCE
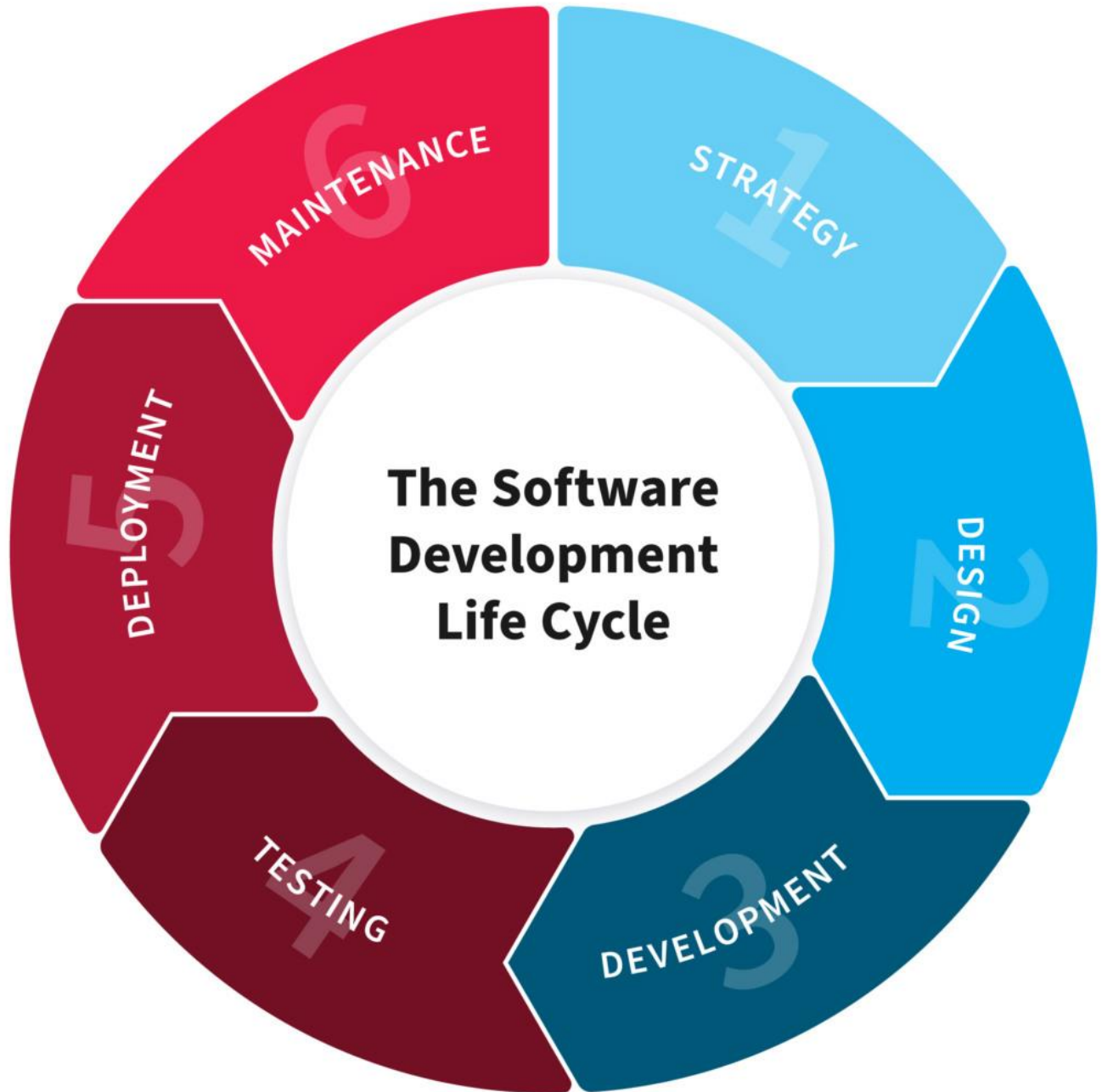
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PROJECT _NAME: Hostel Management System
SCHOOL: Business & Economics
DEPARTMENT: BIT

PROJECT REPORT OF HOSTEL MANAGEMENT SYSTEM

> ➢ Introduction of the hostels management system:

The "hostel management system "has been developed to override the problems prevailing in the practicing manual system. This software is supported to remove analogy system in order to eliminate same cases and reduce the hardships faced by existing system.

This is software developed for managing various activities in the hostels

This software it helps to reduce as much as possible to avoid errors while entering the data.

It also provide errors message while entering invalid data so no formal knowledge is needed for the user to use this system.

For big or small organization has challenges to overcome and managing the information of room, hostel, student, student registration, facility.

Every hostel management system can lead error free,secure,reliable and fast management system, this system it help to utilization of resources and record keeping.

➢ PLANNING

The objectives or goals of the hostel management system are to manage the details of rent, allotters, hostel, rooms, and payment. It manages all the information about rent, beds, payments, and rent.

It manages activities including the student information, room information, room allocation, allotment, details, fee details, tracking of the students and availability of students.

Problem future system needs to solve:
The existing system is manual based and need lot of efforts and consume enough time. In the existing system we can apply for the hostels online but the allotment processes are done manually. It may lead to corruption in the allocation process as well as hostel fee calculation
This software it helps to reduce as much as possible to avoid errors while entering the data.

➢ DESIGN

Hostel management system is designed to manage all hostel activities admissions, room, fees, mess allotment; hostel stores and generates related reports for smooth transactions.

Project flow and features are:
We have 2 modules and 5 forms
- User and admin panel
  For user can register themselves and after registration, the user can login with registered user name and password.
  After login user gets their own profile to manage entire access .
  -user login
  -user registration

-user can be sign out
-cancel
-can be creating acct
Local host link: http://localhost/hostel/user

- Admin
  Admin can be login with the given details and after login admin
  manages many sections
  These are given below:
  -Admin login
  -Admin can manage all registered users
  -Admin can update the user's information
  -Admin can delete users
  -can add
  -can delete hosteller
  -manage hosteller
  Login form: Utilizes the credentials of a user, in order to authenticate
  their access.

  Main menu form: It is first access to an application

  Register form: is customizable and simple to edit.

  User and admin

  Local host link: http://localhost/hostel/admin

FUNCTIONAL REQUIREMENT:

User generates account number.

- User allows the hostel staff members and accesses its profile.
- User generate the users profile containing the following information user ID,FIRST NAME,LAST NAME,PHONE NO, HOSTEL NAME,EMAIL,ADDRESS…..
- User and admin will allocate rooms to students according to faculty.
- User must be allow have details of a mess of a student and stored in database.
- Admin must allow the warden to add new users to the system of database
- Admin has capability to delete and update users
- User must allow the guardian to cancel, register, out, create account to the system.
- User must allow canceling the registration from the systems database who will leave room.

➢ **DEVELOPMENT**

Hostel management system facilities in educational institution are managed with manual paperwork in labor insensitive environment.
This has resulted in poor resources utilization and impacted the overall efficiency of academic institutions.
This system of managing and administering hostels and other facilities in institution is ineffective.

It is a time to evaluate the traditional system in managing hostels on website or mobile devices in order to improve the hostels services for students ,administrators and staff of hostels.

TECHNOLOGIES:

A hostel management system was designed to provide a computerized process that is stress free, reliable and quick through the use of MySQL data base application and java computer programming language

Front End: java script
Back End: MYSQL
Tools: apachenetbeans,xampp,java and data base.

Operating system: windows 10
Ram: hard disk
Processor: Premium

LIBRARIES

-Sqlitejdbc-v056.jar

-rs2xml.jar

-Jcalendar-1.4.jar

-Mysql-connector-java-5.1.24-bin-jar

Jdk 1.8 (default)

➢ <u>**TESTING METHOD**</u>

FOR HOSTEL REGISTRATION:

Serial	Condition to be tested	Test data	Expected out put	Remarks
1	If hostel names contains other than character types	Names	Names should be contain only	successful

			alphabets	
2	If hostel type is not selected	Type hostel	Yes selected hostel type	successful
3	If password length is less than 3	password	It must contain at least 3 characters	successful
4	If email id does not contains proper format	Type email id	Email id is not valid	successful
5	If date of birth is not selected	Date of birth	Should not be empty	successful
6	If password does not match	password	Password not matched	successful
7	If address contains other than character type	address	Should contain only alphabets	successful
8	If contact number does not contain 10 digits	Contact number	Should contain 1 digits	successful

FOR USER LOGIN:

Serial	Condition to be tested	Test data	Expected out put	Remarks
1	If any field in the form is empty	Value of form field	Alert the user to enter all the field and then proceed	Successful
2	**If** name does	Name	Invalid name	Successful

	not match			
3	If password does not match	Password	Invalid password	Successful

TEST CREDENTIAL FOR ADMIN FORM

Username: admin
Password: admin
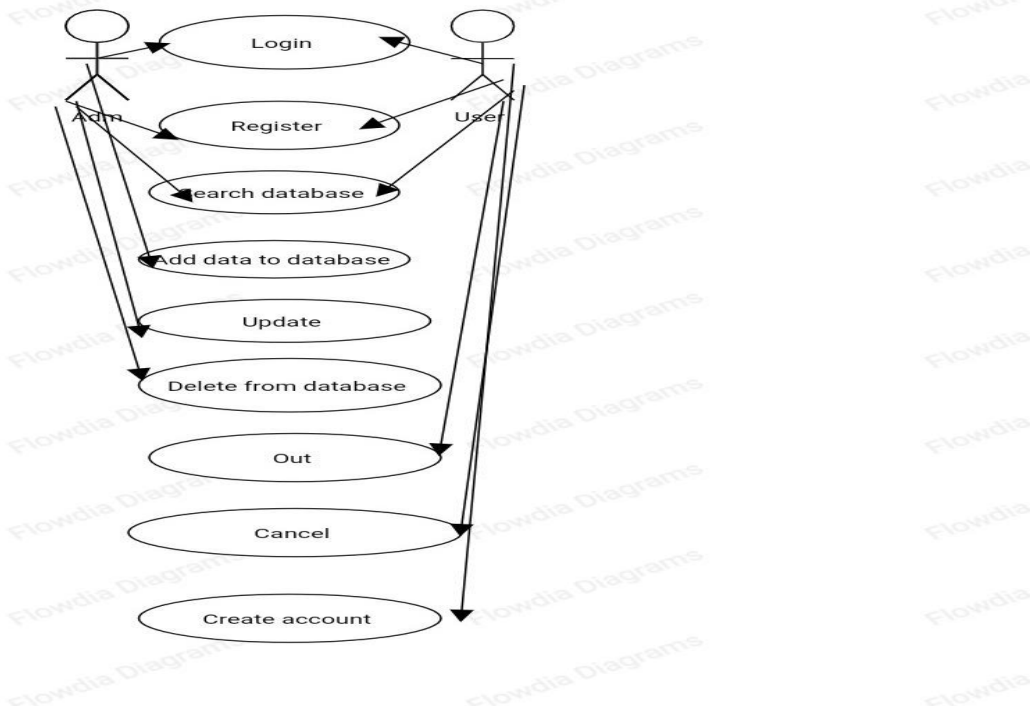
TEST CREDENTIAL FOR USER FORM

Username: Eric
Password: 1234

➤ <u>**DEPLOYMENT**</u>

Deployment: it is describes the hardware used in system to implementations and execution environment and artifacts deployed on the hardware.

USECASE DIAGRAM OF REGISTRATION SYSTEM:

This diagram consists of actors use case and relationship between them.

PROJECT INSTALLATION STEPS IN XAMPP SERVER

(Hostel management system with user and admin panel project)

- Download the Hostel management system in MySQL projected zip file.
- Unzip the project files and copy inside c:/xampp/www/hostel
- Database configuration open phpmyadmin

(http://localhost/phpmyadmin)

-create database named

-import Database file from the database folder.

- Open your browser and write" http://localhost/hostel" live demo for the user login

- Open your browser and write http://localhost/hostel/admin " live demo for the admin login

CONCLUSION OF HOSTEL MANAGEMENT:

The hostel management is user-friendly and customization software for students hostel.

It has been developed to manage and automate the overall processing of any large student hostel.