BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade
Sathyamangalam - 638401 Erode District, Tamil Nadu, India

STUDENT NAME	MOHANRAJ S K
SEAT NO	317
PROJECT ID	37
PROJECT TITLE	SKILL TRAINING PORTAL

TECHNICAL COMPONENTS

STACK	PYTHON
FRONTEND	HTML,CSS,JS
BACKEND	PYTHON-FLASK
DATABASE	MYSQL

IMPLEMENTATION TIMELINE

DEADLINE	STAGE	STATUS
02/05/2024	SRS-Planing and requirement	

PHASE NOTES:

Stage 1 Planning and Requirement gathering

Stage 2 Design and Prototyping

Stage 3 DB Designing

Stage 4 Backend Implementation

Stage 5 Testing & Implementation

PROBLEM STATEMENT:

Web App needs to be developed for Registration of the skill choice (which needs to be verified with previous semester skills). Attendance monitoring & Mark submission,Feedback Collection from students.

In many educational institutions, the process of skill choice registration, attendance monitoring, mark submission, and feedback collection is often manual, time-consuming, and error-prone. There is a lack of efficient systems in place to streamline these processes, leading to challenges such as:

- **Manual Skill Choice Registration:** Students have to physically register their skill choices, which can be cumbersome and prone to errors. There is also a lack of verification mechanisms to ensure that the chosen skills align with their previous semester skills.
- **Tedious Attendance Monitoring:** Faculty members have to manually track student attendance for the registered skills, leading to inefficiencies and potential inaccuracies. Generating attendance reports and tracking trends becomes challenging without a centralized system.
- **Mark Submission Challenges:** Faculty members face difficulties in submitting marks for the skills, which can lead to delays in processing and calculating final grades. There is a need for a more streamlined and automated process for mark submission and processing.
- **Feedback Collection Issues:** Collecting feedback from students about their chosen skills is often ad-hoc and not well-organized. This leads to challenges in using the feedback to improve the quality of skill offerings and the overall learning experience.

PROJECT-FLOW:

PURPOSE:

The purpose of the web app is to streamline and digitize the process of skill choice registration, attendance monitoring, mark submission, and feedback collection for students. It aims to provide a convenient and efficient platform for students to select their desired skills, for faculty to monitor attendance and submit marks, and for administrators to collect feedback and manage the entire process. By automating these tasks, the web app helps in reducing manual effort, improving accuracy, and enhancing overall productivity in managing student skills and feedback.

Consideration:

- All users possess active Google accounts for authentication.
- Users have regular access to internet-enabled devices.

Dependencies:

- Integration with Google OAuth for user authentication.
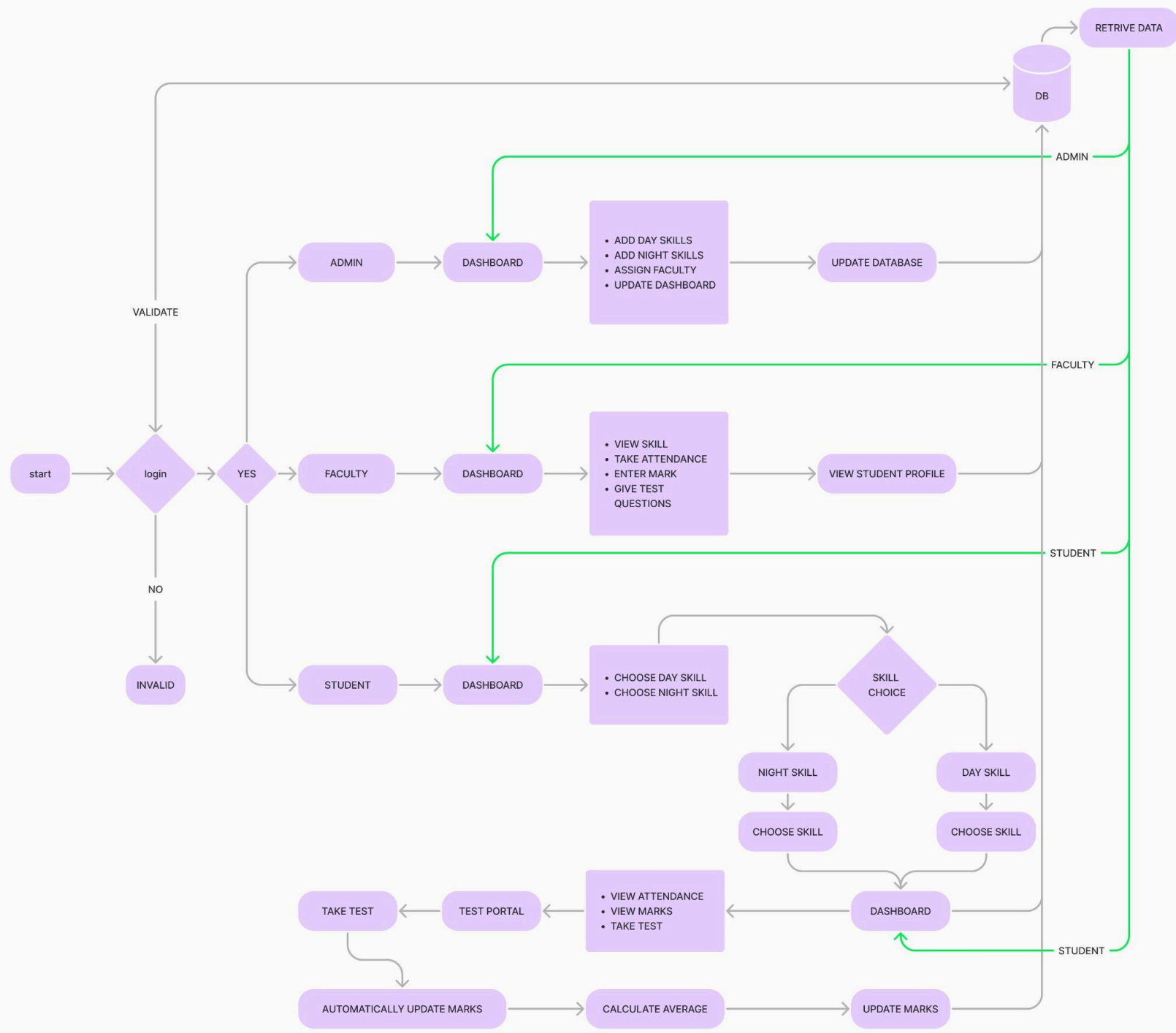- Consistent performance and availability of the server.

USER PERSONAS:

- Student:
  - A college student enrolled in day skill and night skill training programs.
  - To easily register for skills, track attendance, submit feedback, and view marks.
- Teaching Faculty:
  - Faculty members responsible for teaching and monitoring student progress.
  - To efficiently manage attendance, submit marks, and track student performance.
- Administrator:
  - Administrative staff responsible for overseeing and managing the entire system.
  - To manage skill offerings, oversee the registration process, and ensure smooth operation of the system.

User Stories:

- As a student, I want to view a unified schedule of my skill training classes and easy access to my skill dashboard to view my mark and attendance
- As a faculty member, I need to enter attendance and marks in one place to maintain and easy access to the data of the student.
- As a admin,i need to reduce the time and complexity of entering attendance and entering marks,and calculate grade of the student instantly

FLOW CHART:

Student dashboard:

Profile

Name	NAVEENKUMAR P
Roll number	7376222ITXXX
Year	2022-26
Department	INFORMATION TECHNOLOGY
Mail id	naveenkumar.it22@bitsathy.ac.in
Phone number	9638527410

SELECT THE SKILLS

DAYSKILL

Current Sem	IV
Skill	Java
Training Faculty	Rajesh

Feedback

Attendance

No.of days present	08 days
No.of days absent	02 days
Attendance %	80%

Marks

Average marks	72%
Eligible of final test	YES

View marks

TEST PORTAL

DAYSKILL	NIGHT SKILL
Today's mark	Today's mark
6/10	–
TAKE TEST	TAKE TEST

NIGHT SKILL

Current Sem	IV
Skill	c++
Training Faculty	Arun

Feedback

Attendance

No.of days present	08 days
No.of days absent	02 days
Attendance %	80%

Marks

Average marks	80%
Eligible of final test	YES

View marks

DAYSKILL

Skill choice   Java

ENTER

Information about skills

Java is a widely-used programming language known for its platform independence, strong typing, and extensive standard library for building robust applications.

Youtube link :

https://docs.google.com/document/d/1PH5DepdPkzkBGWN-y8LLBBHxpd6MqRptX8BaOjvajwl/edit

NIGHT SKILL

Skill choice   select skill

ENTER

Information about skills

Faculty dashboard:

Profile

Name	Rajesh
Staff	IT – AP – II
Year join	2022
Department	INFORMATION TECHNOLOGY
Mail id	rajesh.sit22@bitsathy.ac.in
Phone number	963748520

s.no	sem.no	skill name	mode of skill training	status
1.	IV	Java	DAY	ACTIVE
2.	IV	C	NIGHT	ACTIVE
3.	III	Linux	DAY	NON-ACTIVE
4.	III	C++	NIGHT	NON-ACTIVE
5.	II	R Programing	DAY	NON-ACTIVE
6.	II	python	NIGHT	NON-ACTIVE

DAY   NIGHT   Student name [   ]   Student roll number [7376222ITXXX] 🔍

Profile

Name	NAVEENKUMAR P
Roll number	7376222ITXXX
Year	2022-26
Department	INFORMATION TECHNOLOGY
Mail id	naveenkumar.it22@bitsathy.ac.in
Phone number	9638527410

Attendance

Date	10/04/2024
Morning-1	Present
Morning-2	Present
Afternoon-1	Absent
Afternoon-2	Absent

Marks

Date	10/04/2024
Enter the mark	09

Enter