



TECH FANATICS

Employee Programming Skill Enhancement System



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AGENDA

- PROJECT OVERVIEW
 - EXISTING SYSTEM
 - MODULES IDENTIFIED
 - TECHNOLOGY OVERVIEW
 - FLOW DIAGRAM
 - DATABASE SCHEMA
 - ENTITY DIAGRAM
 - WORK DONE SO FAR
 - TIMELINE
 - REFERENCES
 - UI DESIGNS
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PROJECT OVERVIEW

Employee Programming Skill Enhancement System Application is designed to provide employees within our organization with a comprehensive and user-friendly platform to improve their programming skills. The application aims to empower employees to keep up with evolving technologies, enhance their coding proficiency, and foster a culture of continuous learning and skill development.

Skill Improvement: Provide a resource for employees to enhance their programming skills in various languages and domains.

Increased Productivity: Improve employees' programming capabilities to boost their productivity in day-to-day tasks and projects.

Innovation and Problem Solving: Foster innovation and problem-solving skills by encouraging employees to think critically and creatively.

Collaboration: Facilitate collaboration and knowledge sharing among employees through peer code review and discussion forums.

Engagement: Create an engaging and motivating learning environment through gamification and progress tracking.

EXISTING SYSTEM

- Moodle: An open-source learning platform designed to provide educators and learners with a single robust, secure, and integrated system to create personalized learning environments
- Coursera for Business: Coursera offers a business-focused platform that allows companies to upskill and reskill their workforce with courses from top universities and institutions.
- Skillsoft: Skillsoft provides eLearning and performance support solutions for organizations, focusing on corporate training, leadership development, and IT skills.

PROS:

- High quality content
- Customization and Flexibility

CONS:

- Cost
- Quality and Variability

PROPOSED SYSTEM

COST EFFECTIVENESS

Conducting tests and providing certificates can be a cost-effective way to train a large number of trainees simultaneously. It requires fewer resources compared to traditional classroom training, making it scalable for organizations with diverse training needs.

OBJECTIVE EVALUATION

Testing provides an objective means of evaluating a trainee's knowledge and skills. Certificates based on test performance can be a transparent way to measure proficiency, and reference materials can serve as a valuable resource for continuous learning.

SELF-PACED LEARNING

This approach allows trainees to learn at their own pace, which can be beneficial for adult learners who may have other responsibilities. They can access reference materials and prepare for tests when it's most convenient for them.

DOCUMENTATION AND TRACKING

Certificates and test scores serve as documentation of a trainee's training progress. This can be useful for HR departments and managers when assessing a trainee's qualifications and deciding on promotions or project assignments..

TECHNOLOGY OVERVIEW

FRONT END



HTML



CSS



JAVASCRIPT

BACKEND



NODE JS



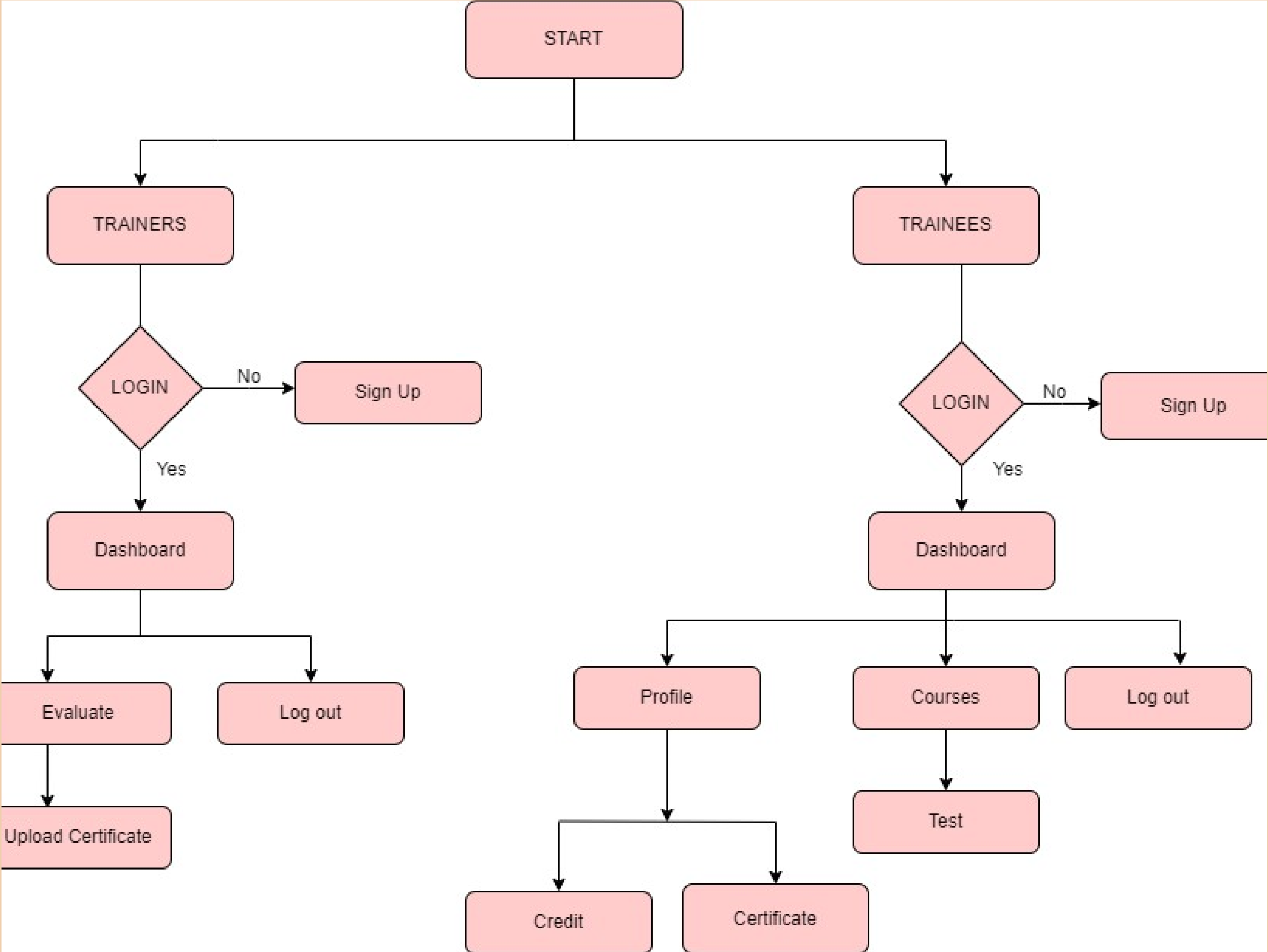
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DATABASE

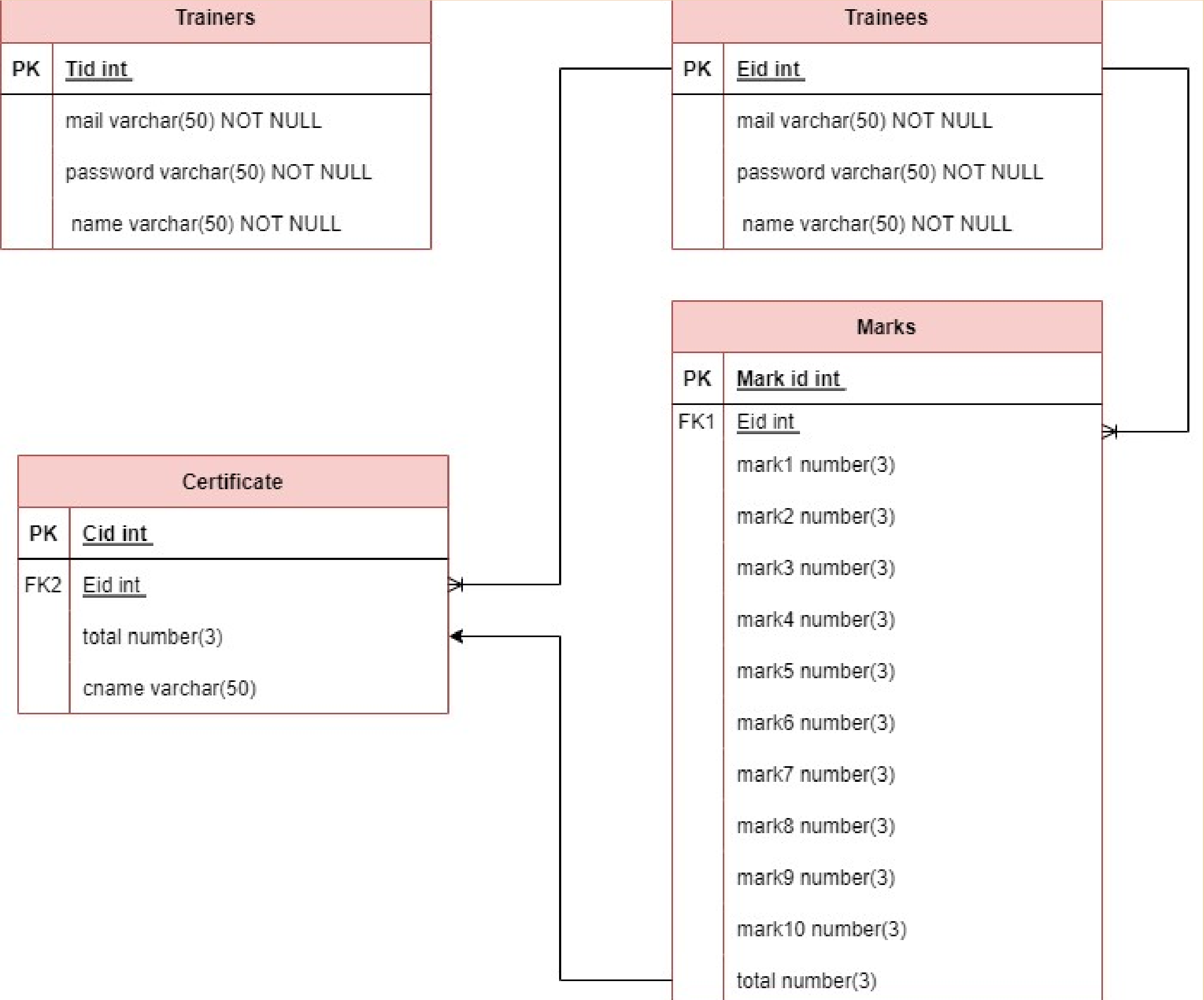


MONGO DB

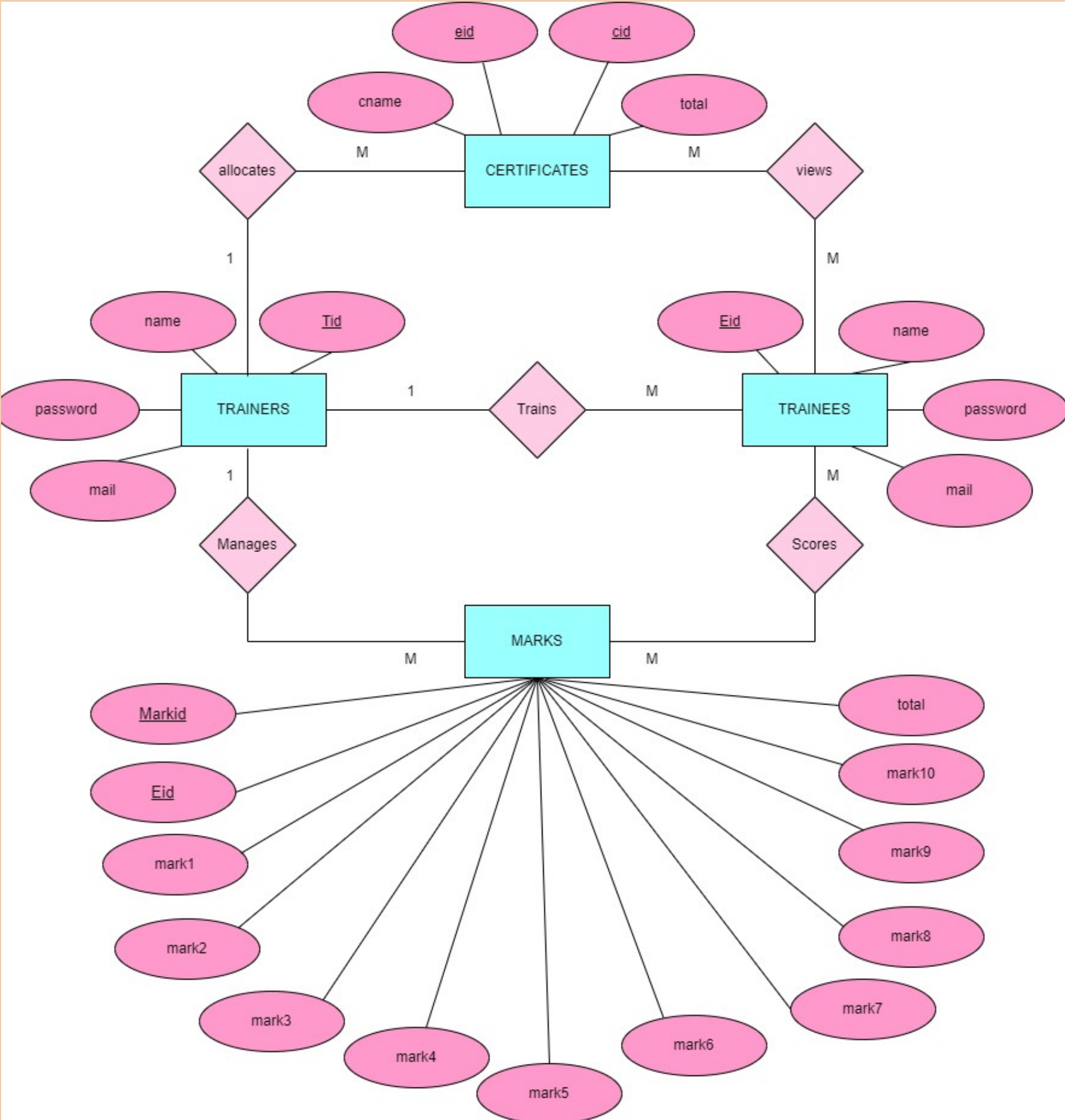
FLOW CHART



DATABASE SCHEMA



ENTITY DIAGRAM



MODULE DESCRIPTION

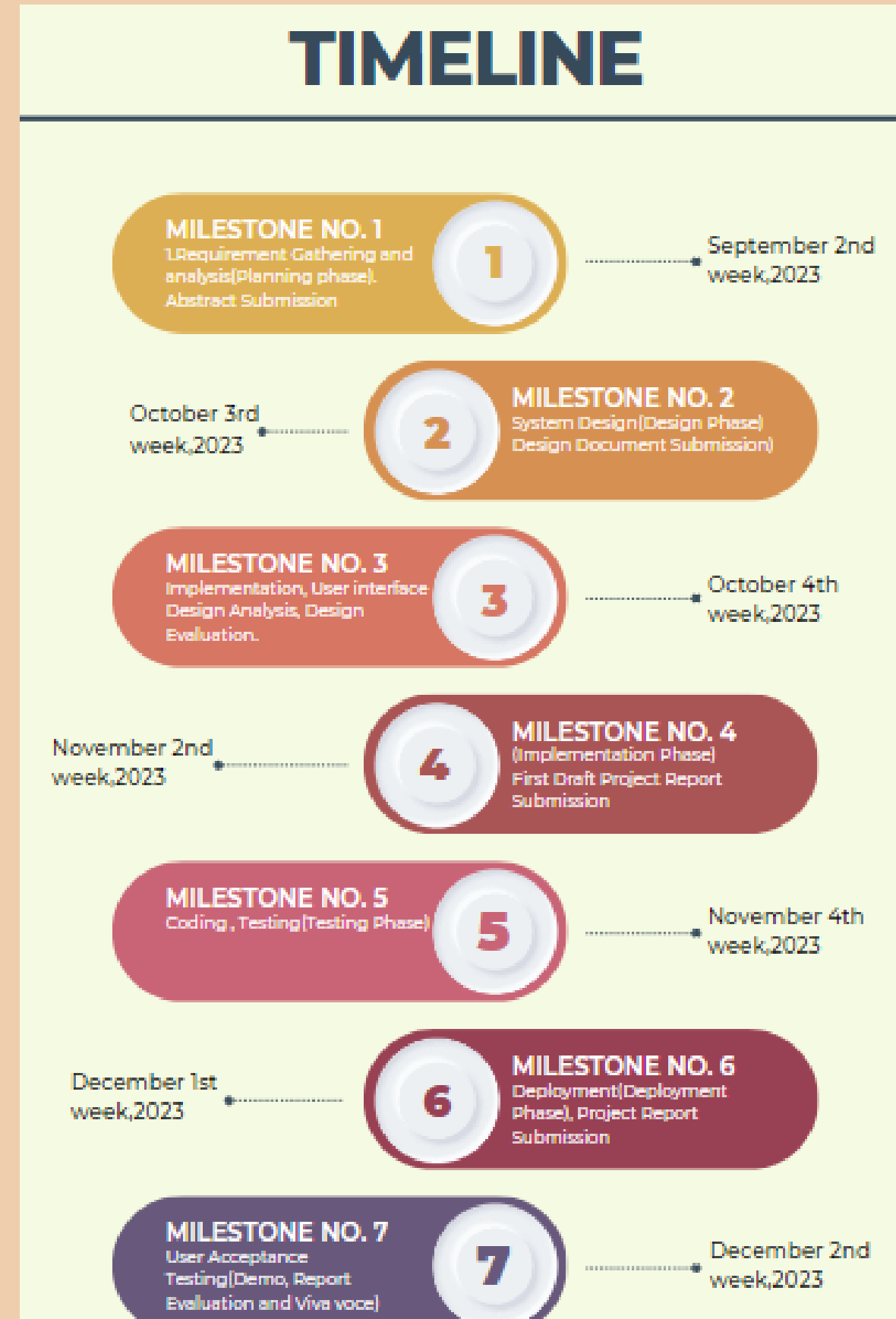
TECHNICAL TRAINEES

- Learn Courses
- Participate quizzes
- View Profile
- View Marks
- Get Certificates

TECHNICAL TRAINERS

- Manage Trainers
- Conduct Quizzes
- Upload Certificates

TIME LINE



CONCLUSION

- In conclusion, an employee programming skill enhancement application can play a pivotal role in fostering professional growth and development within an organization. By providing employees with opportunities to learn, practice, and improve their programming skills
- With the ever-evolving landscape of technology and the increasing demand for technical skills, such an application can be a strategic asset. It enables employees to stay current with the latest programming languages, tools, and best practices, ensuring that they remain competitive in the job market.
- Create different learning paths or tracks for beginners, intermediate, and advanced learners to accommodate various skill levels.

REFERENCES

<https://www.tutorialspoint.com/index.htm>

<https://www.w3schools.com/>