

DIGITAL PORTFOLIO

STUDENT NAME: E.PAVITHRA

REGISTER NO AND NMID: astvu30430424u18030

DEPARTMENT: B.Sc.computer science

COLLEGE: Aringar Anna govt arts college for women

PROJECT TITLE: Frontend Development of Quiz app

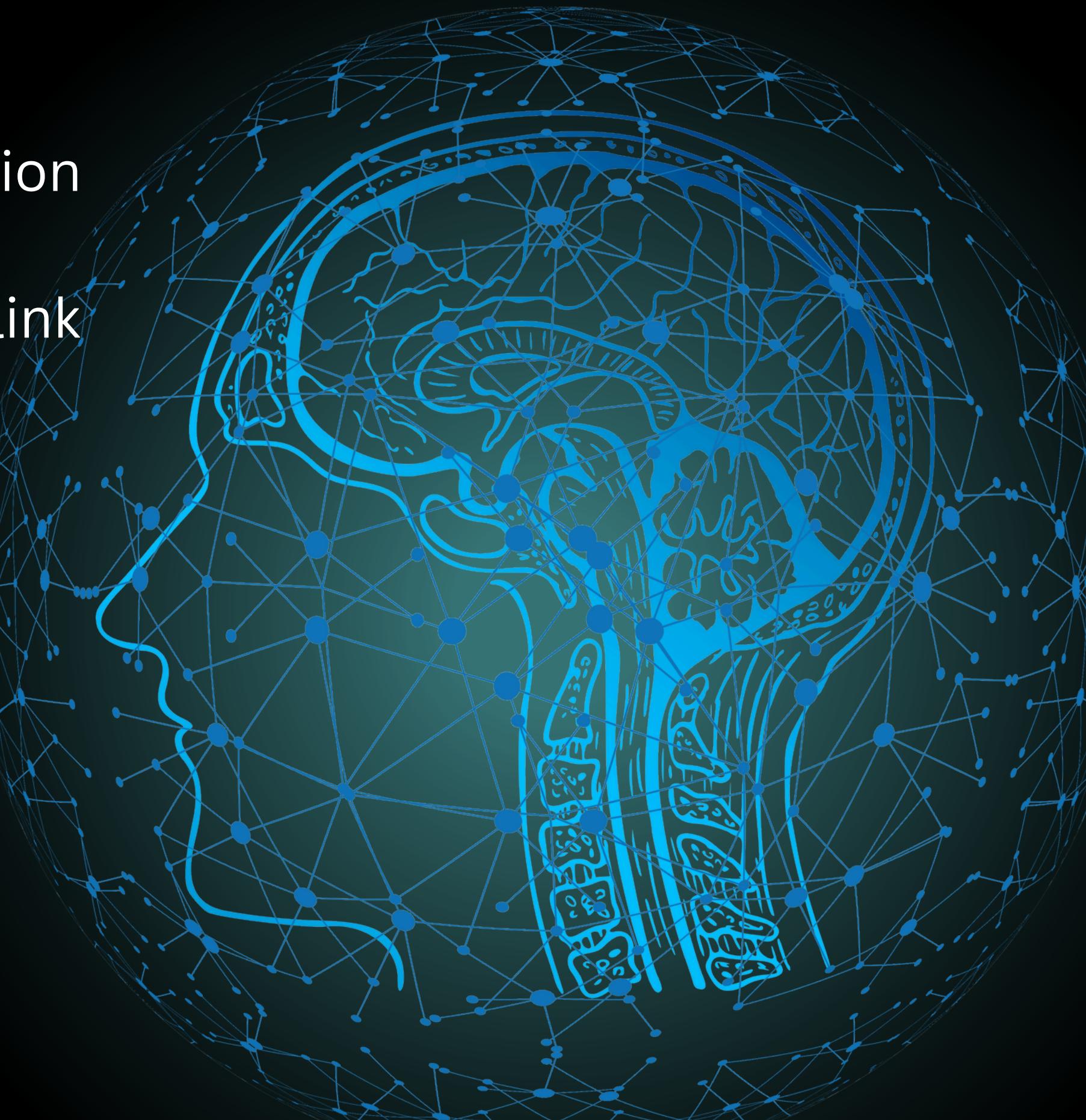
Project



AGENDA

- 1. Problem statement
- 2. Project Overview
- 3. End userss
- 4. Tools and Technolgies
- 5. Portfolio design and layout
- 6. Features and functionality
- 7. Results and screenshot

- 8. Conclusion
- 9. GitHub link





Problem Statement

- In today's digital era, learners need engaging platform to test and improve their knowledge. Traditional quiz methods are time consuming and lack instant feedback. A quiz app provide interactive questions with immediate scoring and explanation. Users should be able to attempt quizzes on various topics anytime, anywhere.

Project Overview

The Quiz app Project demonstrate the use of HTML,CSS and JavaScript to display a real time quiz in HH:MM:SS formal.

The project focuses on:

Multiple-choice questions

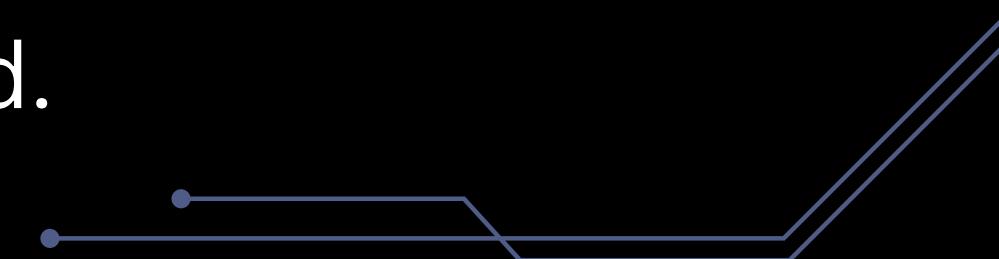
Real-time score tracking

Timed quizzes

Leaderboards and performance analytics



Who are the End Users?

1. Student learning
Frontend Development concept
 2. Developers practicing small JavaScript
projects
 3. General users who need a lightweight
quiz for their desktop, website or dashboard.
- 

Tools and technologies

1.HTML5 - Structure of the quiz

2.CSS3- Styling and layout

3.Javascript- Real time functionality

Vs code- Development environment

5.GitHub- Version control and project hosting

Portfolio design and layout

1. Minimalist design with centred quiz display
2. Responsive layout that adapts to different screen
3. Custom CSS styling for fonts, colors, styles, and themes
4. User friendly UI with simple design approach



Features and functionality

User login, signup, and profile management.

Quizzes by category and difficulty levels.

Timer-based quizzes with instant scoring.

Leaderboard to track top performers.

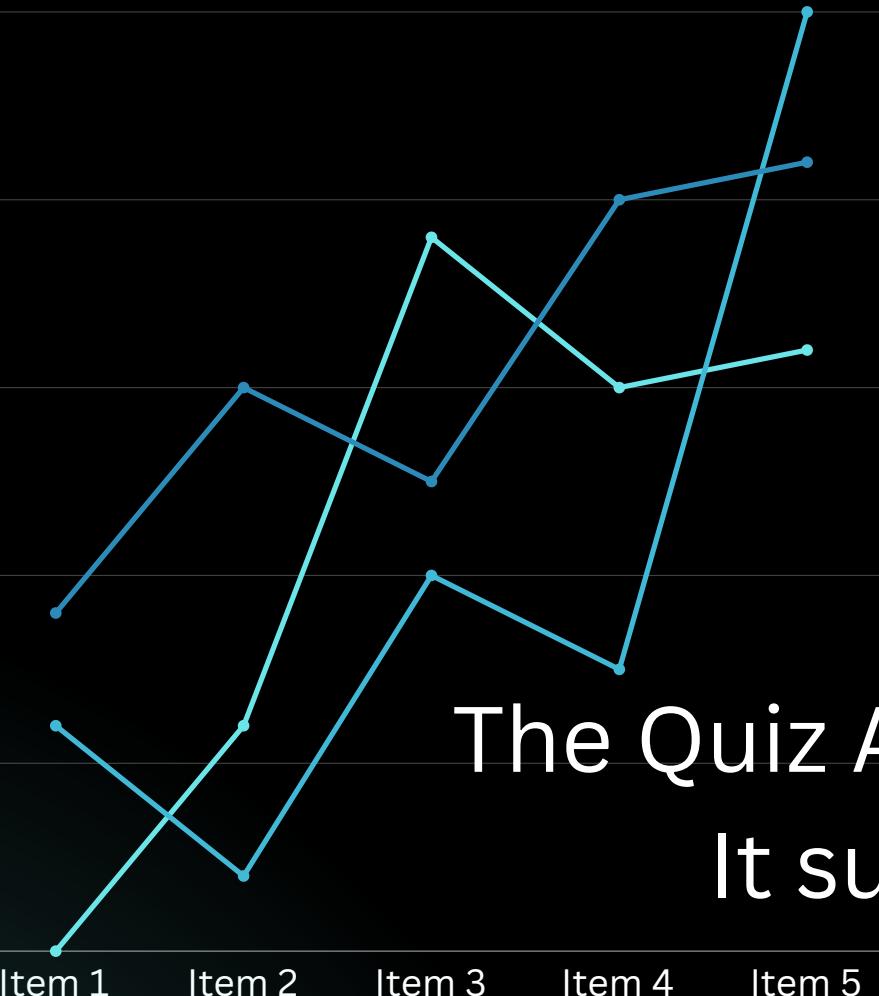
Admin panel to manage questions and users.

Results and screenshot

Output is a working Quiz app displayed on a webpage

The Quiz refreshes in real time without page reload

Provides a modern and professional frontend look



Conclusion

The Quiz App offers an engaging and effective platform for knowledge testing.
It supports users with instant feedback and performance tracking.

Customizable categories and levels make learning flexible.
Leaderboard and timed quizzes boost competitiveness.

Overall, it's a smart tool for education and self-assessment.