Mind Maze

The Knowledge Challenge Platform

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Initial Description:

MindMaze is an engaging Quiz Game project designed for users to have a fun and educational experience. The application features a simple login form differentiating between regular users and administrators. Users can easily create their accounts, choose quiz levels such as beginner, intermediate, or expert, and start the quiz. After answering questions, users can check if their responses are correct, evaluate their marks, and enjoy a seamless and interactive learning journey.

Key points for Mind Maze:

1. Login form. (User and Admin Login)
2. Account creation. (Role-based access)
3. Personalized gameplay. (Easy, Medium & Hard)
4. Quiz participation.
5. Dashboard (Results & Details)
6. Feedback. (Report issues, or Suggest improvements.)

General Requirements:		
☐ 2 types of Users ☐ Db Connection Class. ☐ Normalized DB (2NF) ☐ Desktop-based App	☐ Use of properties ☐ Search Option for user ☐ OOP Principles ☐ Form Design	☐ Proper use of access modifiers ☐ All the Forms MUST be connected. ☐ Login Form can only have ID & Password.

<u>Login index (ID and Password) and for Admin and Player.</u>

- **Admins:**

  o Add /update/search/delete User.

  o Check/add/delete forms.

  o Check Dashboard & feedback.

  o View users' activity and score.

- **Players:**

  o login player id.

  o select level.

  o Check dashboard.

  o close app.

  o Give feed backs

Scope:

Educational Entertainment: The primary goal is to create a mind-challenging quiz game that entertains and educates players.

Cognitive Skills Enhancement: The game aims to enhance players' cognitive skills by offering quizzes that require critical thinking and problem-solving.

Multi-Difficulty Levels: The game will feature multiple difficulty levels (Easy, Medium, and Hard) to cater to a diverse audience with varying levels of quiz-solving proficiency.

Comprehensive Dashboard: The system will provide players with a comprehensive dashboard displaying individual quiz results, achievements, and progress.

Feedback Mechanism: A feedback mechanism will be implemented to collect user opinions, allowing for continuous improvement of the game based on player suggestions.

Platform for Learning: The quiz questions will cover a broad range of topics, transforming the game into a platform for continuous learning.

Support and Maintenance: Ongoing support and maintenance will be provided to address any issues, ensure smooth operation, and incorporate user feedback.

Not the original version. We are working on it. We will update it with more details and information Soon.

Functional Requirements

1. Login Form (Player and Admin Login):

    -   Users can log in using their credentials.
    -   Distinct login interfaces for regular users and administrators.

2. Account (Role-based Access):

    -   Users can enter accounts with roles: Player and Admin.
    -   User input for personal details, user information, and account details.
    -   Error messages for incorrect phone numbers, emails, or passwords.

3. Personalized Gameplay (Difficulty Levels):

    -   Players can choose from different difficulty levels: Easy, Medium, and Hard.
    -   Each difficulty level offers a personalized gaming experience.

4. Quiz Participation (Interactive Quizzes):

    -   Players can participate in quizzes.
    -   Varied and engaging quiz questions based on difficulty levels.
    -   Time-limited questions for added challenge.
    -   Score tracking for each player.

5. Dashboard (Results & Details):

    -   Players can view their quiz results and details on a personalized dashboard.
    -   Performance analytics for each difficulty level.
    -   Admins have access to a comprehensive admin dashboard.

6. Feedback (Player Feedback Section):

    -   Players can provide feedback to improve the gaming experience.
    -   Option to report issues or suggest improvements.
    -   Admins can review and respond to user feedback.

7. About (Information Section):

    -   A section providing important instructions and information about Mind Maze.

8. Contact Us (Communication Channel):

    -   Players can contact administrators directly through a dedicated section.

9. Report (Issue Reporting):

    -   Users can report issues related to other users, their accounts, or the software.

- Admins have access to a report section for addressing user reports.