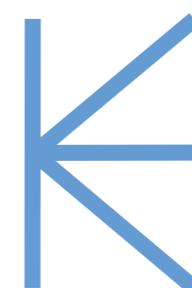




# MindMeld Personal Cognitive Performance Tracker

Track Mental Acuity | Boost Performance | Visualize Results

Team - AG10



# User Authentication



## Sign up

Username:

Email:

Password:

Confirm Password:

SignUp

## Login

Email:

Password:

Login

# User Details - Input

Takes user personal data such as age, occupation and others

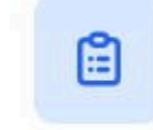
**Personal Information**

First Name	Alex	Last Name	Chen
Email	alex@example.com		
Occupation	Software Developer		
Age	28		

# Games to test cognitive skills

- Memory Assessment
- Attention Tests
- Focus and Reaction Time Tests
- Problem Solving Tests

**Cognitive Tests**



**Memory Tests**

Test your ability to recall information after delays

4 exercises ~ 15 min

[Start Test](#)



**Attention Tests**

Focus on identifying specific items among distractions

3 exercises ~ 10 min

[Start Test](#)



**Reaction Tests**

Measure and improve your response time

5 exercises ~ 8 min

[Start Test](#)



**Problem Solving**

Challenge your logical reasoning abilities

6 exercises ~ 20 min

[Start Test](#)

# Memory Game

# Attention Test

## Memory Game

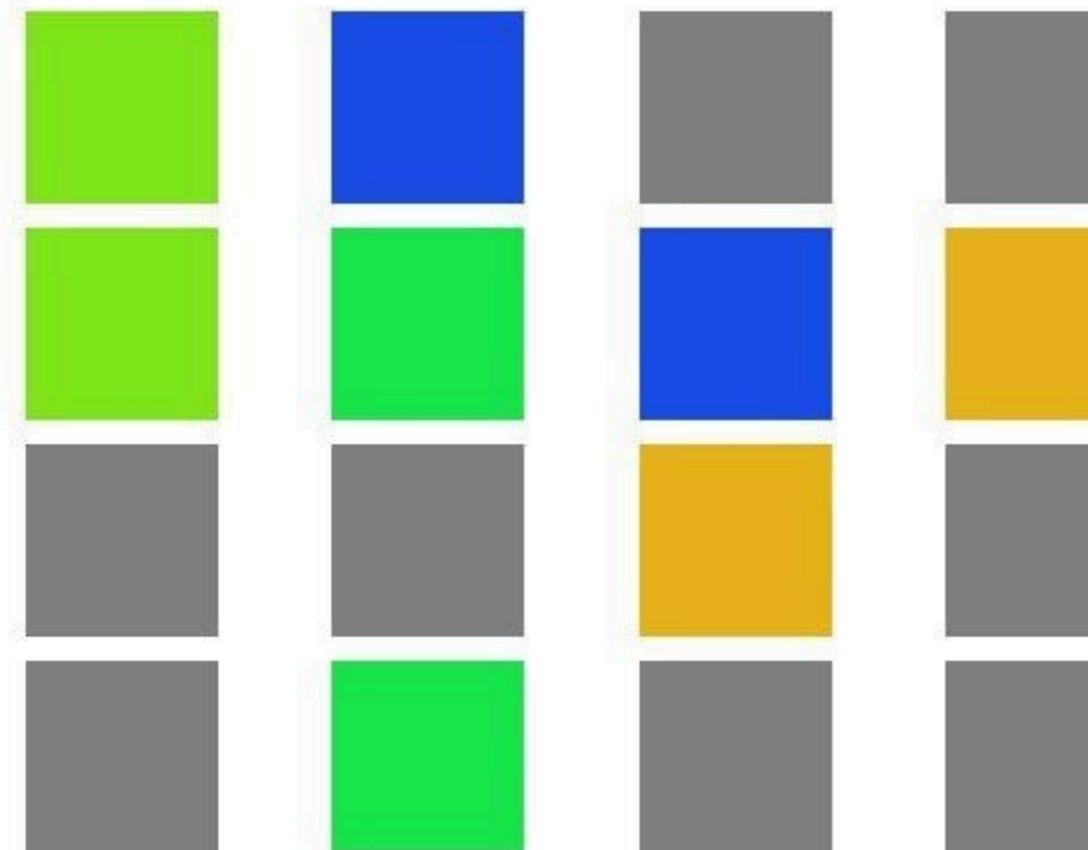
Time: 0:16

Moves: 5

Score: 89.58

Start Game

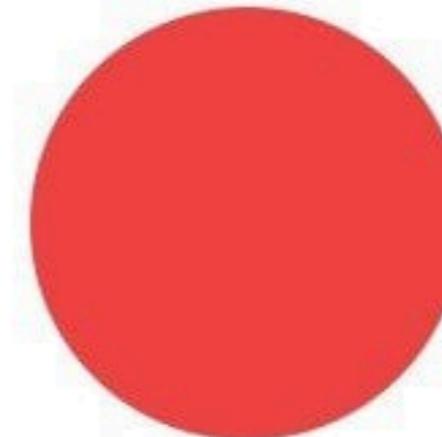
Stop Game



## Attention Test

Time Left: 0:00

Test your attention! Click the circle when it turns green.  
The green flash will be extremely brief - stay focused!



Start Game

# Reaction Time Game



# Problem-Solving Test

Time Left: 2s  
Correct Answers: 1  
Total Attempts: 2

Match this number:

33

583

297

908

171

33

980

437

559

147

248

842

837

28

363

306

14

## Fast Math Game

Question 5/10

$11 - 16 = ?$

-7

-5

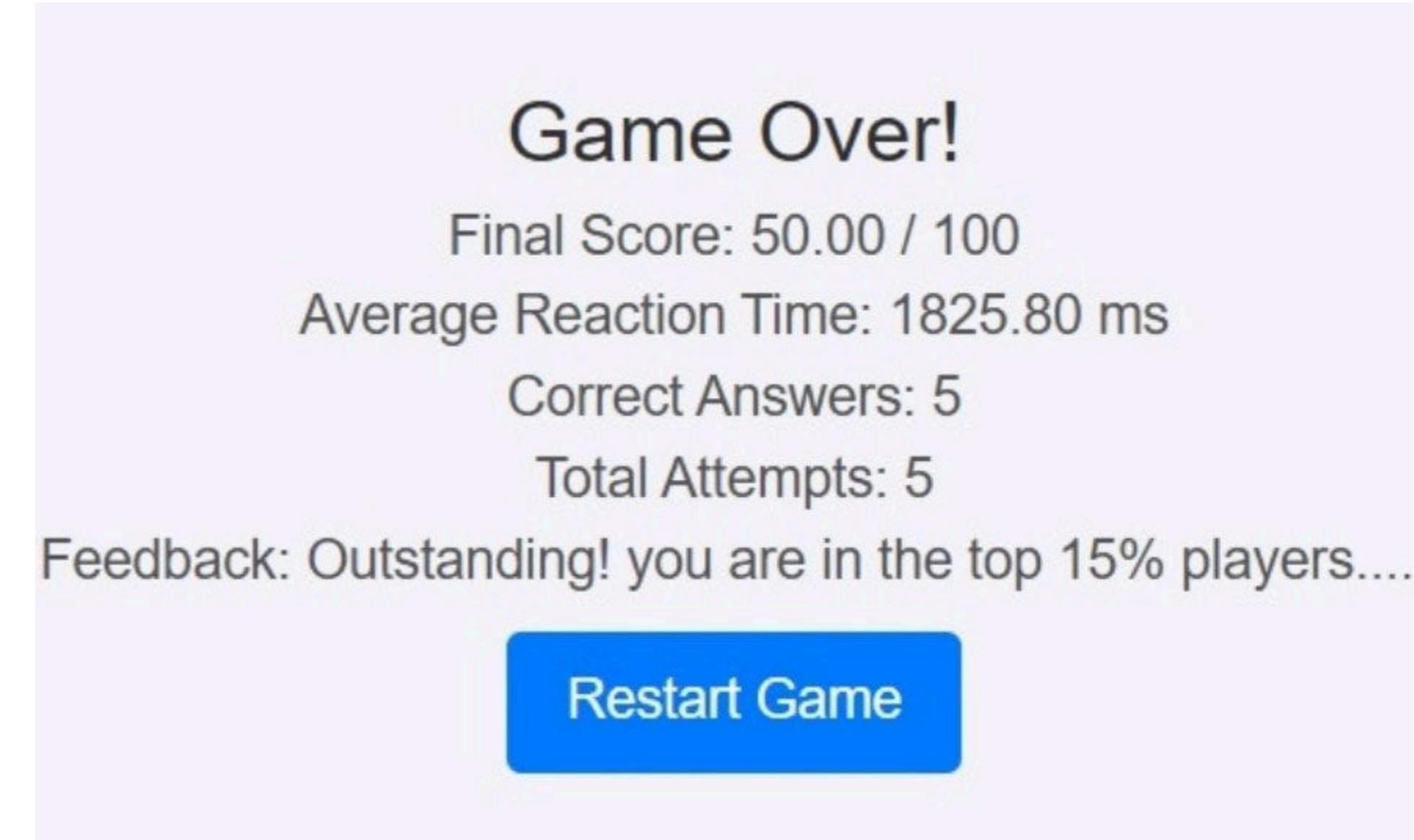
-2

-9

Score: 20

# Game Results and Feedback

- Providing instant feedback of users performance and statistics of the game played.
- Also the player's overall position among all the players who played that game.



# Personalization-I

Recommendation  
based on progress  
and areas of  
improvement

## Priority Areas



### Memory

Your memory scores show room for improvement. Focus on these exercises to enhance this skill.

Current Score: 0%



### Attention

Your attention scores show room for improvement. Focus on these exercises to enhance this skill.

Current Score: 0%



### Reaction time

Your reaction time scores show room for improvement. Focus on these exercises to enhance this skill.

Current Score: 0%

# Personalization-II

Customize  
priority areas to  
focus

## Recommended Games

 Memory

**Match the pairs**

A fun and challenging memory game where you match card pairs after memorizing their positions

[Start Exercise →](#)

 Attention

**Reaction time**

Focus on identifying specific items among distractions.

[Start Exercise →](#)

 Reaction time

**Number Matching Game**

A number is displayed briefly, and the user has to click the matching number from a set of options that appear afterward.

[Start Exercise →](#)

 Problem Solving

**Fast Math**

A game to test your problem Solving skills.

[Start Exercise →](#)

# Lifestyle Recommendations

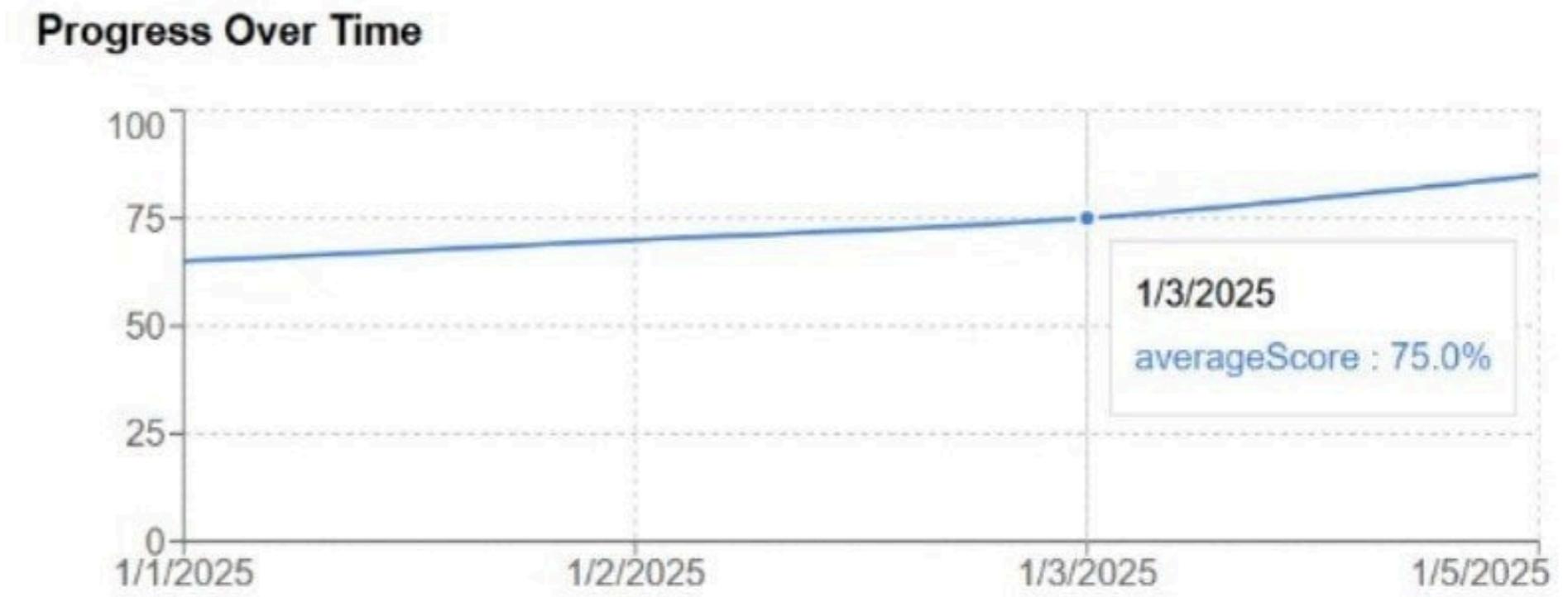
Recommends lifestyle changes like specific exercises based on user performance trends

**Lifestyle Recommendations**

- memory Maintenance**  
Your memory score is excellent! Maintain your current habits to sustain this level.
- Brain Training**  
Dedicate 20 minutes daily to brain training exercises that target specific cognitive skills.
- Take a 5-minute break every hour to maintain focus and prevent cognitive fatigue during work or study sessions.**  
Your attention score is decent but can improve. Consider taking short, regular breaks to boost your performance.
- Regular Exercise**  
Incorporate 30 minutes of moderate exercise daily to enhance brain function and improve cognitive performance.

# Visualisation and Analysis-II

Tracking Progress over time based on the scores achieved during different timelines and visualization of this data.



# Visualisation and Analysis-II

Average categorical scores distribution over a period of time represented visually in the form of bar graphs.

Category Performance

