

Quiz Competition Interface — User Manual

Version: 1.0

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For: Quiz Masters & Event Hosts

Organization: Self-funded (not for commercial)

1. Overview

Welcome to the **Quiz Competition Interface** — a custom-built tool designed to help you conduct seamless quiz competitions with multiple teams, rounds, audio-video support, live scoring, and automatic ranking.


This manual explains everything you need — from setup to execution and troubleshooting.

2. Included Files & Folders

When you receive the QuizApp package, it should contain:

pgsql

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 QuizApp/

└─ QuizApp.exe ← The main quiz application (Windows executable)

└─ config.json ← Configuration file for teams & rounds

└─ quiz_questions.xlsx ← Excel sheet with all quiz questions

└─ media/ ← Folder for audio/video/image files

└─ progress.json ← Auto-generated to save quiz progress

└─ UserManual.pdf ← This manual

Important: Keep all these files in the same folder. Do not rename files unless you know what you're doing.

3. System Requirements

- ☒ Windows 10 or higher
 - ☒ Python is **not** required (the .exe works standalone)
 - ☒ Default audio/video player installed (e.g., VLC, Windows Media Player)
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4. Quick Start Guide

Step 1: Double-click **QuizApp.exe**

Step 2: On the welcome screen, choose **Start Fresh** or **Load Previous Progress**

Step 3: Select a **Round**

Step 4: Select a **Question Number** — if it's an audio/video question, the media will play automatically.

Step 5: Click **Go To Question** (for media questions)

Step 6: Click **Start Timer** — countdown starts as per round settings.

Step 7: When time's up, click **Show Answer** to reveal the answer.

Step 8: Assign scores to a team by selecting **Team** and **Points**, then click **Assign Score**.

Step 9: Click **Back to Round** or **Back to Rounds** to continue.

Step 10: Use **Check Scores** to view live scores and **Show Rank** to display team rankings.

5. Configuration Details




All teams, rounds, question count, and timer settings come from **config.json**.

Example config snippet:

json

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```
{
  "teams": ["A", "B", "C", "D", "E", "F", "G"],
  "rounds": [
    {
      "name": "1) Literature & Mythology",
      "questions": 14,
      "time_per_question": 60
    },
    ...
  ]
}
```

-  Add/remove teams by editing the teams list.
 -  Control rounds, question count & timer in the rounds list.
 -  Ensure round names match **exactly** with Round names in quiz_questions.xlsx.
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6. Excel Format — quiz_questions.xlsx

Your questions must follow this exact format:

Round	Number	Question	Answer	Type	MediaFile
1) Literature & Mythology	1	Who wrote the Ramayana?	Valmiki	text	
3) Audio & Video	1	Listen and name the singer	Arijit Singh	audio	song1.mp3
2) Googly	3	This is a tricky question	An interesting fact	text	

- **Round:** Must match exactly with config.json
- **Number:** Question number (1, 2, 3, ...)
- **Question:** The question text
- **Answer:** The correct answer
- **Type:** text, audio or video
- **MediaFile:** Only for audio or video (file must be inside media/ folder)

7. Scoring System

- Direct points: +5
- Bonus points: +2
- Scores are saved under the team & round.
- Total scores and rankings are auto-calculated.
- Click **Show Rank** to display a sorted leaderboard.

8. Saving & Resuming

- Progress is saved automatically to **progress.json** whenever you close the app.
- To continue later, just click **Load Previous Progress** on the welcome page.

9. Best Practices

- ✓ Double-check that all **media files** are inside the media/ folder.
 - ✓ Use clear, short filenames (no spaces).
 - ✓ Always test audio/video questions before the event.
 - ✓ Keep a backup copy of quiz_questions.xlsx.
 - ✓ Do **not** manually edit progress.json.
 - ✓ Have a second laptop ready for backup, if possible.
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10. Troubleshooting

Problem: Media doesn't play

Solution: Make sure your PC has a default app for that file type. Verify the file is in the media/ folder with the exact name.

Problem: Scores look wrong

Solution: Check you assigned points correctly. Use **Check Scores** anytime.

Problem: The app crashes

Solution: Ensure all filenames, config.json, and Excel have correct syntax. Restart the app. If the issue persists, contact Rohit.

11. Support

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12. License

This quiz tool is for internal event use only. Do not distribute externally without permission.

13. Good Luck!

 **Have a fun, smooth, and fair quiz competition!**