# Quiz Master – Requirements

## Supports

* Create a quiz event with the following attributes.
  + Event name
  + Event date
  + Venue as optional
  + Number of teams; minimum of 2 and maximum up to 4
  + Team name and member names; minimum of 1 and maximum up to 4
  + Number of quiz rounds; minimum of 1
  + Each quiz round can have a value each for the following 3 attributes.
    - Audience – 1. Direct, 2. Passable
    - Question Format – 1. Text, 2. Image, 3. Video, 4. Audio
    - Answer Format – 1. Single Answer Input, 2. Multiple choice with 4 options
  + Each quiz round should have a timer duration value – default is 10 seconds for Rapid Fire, 60 seconds otherwise.
  + Each quiz round should have a full score value.
  + Each quiz round should have a score value to be deducted in each pass, relevant for audience passable.
* Copy an existing quiz event with the following ability.
  + Select a quiz from the list of available quizzes.
  + Provide an option to randomize the question order of each round.
  + Provide event name, date, and venue.
  + Enter new team data.
* Low priority Edit an existing quiz even whose status is not started, in progress, or completed.
  + Allow update of event name, date, and venue.
  + Allow update of team data.
  + Allow update of following quiz round definitions.
    - Timer duration value
    - Full score value
    - Audience
  + Allow update of question text, image, video, or audio.
  + Allow update of answer options and correct option value.
* Play a quiz whose status is ready or in progress.
  + Navigate the quiz round and questions automatically targeting each team in round-robin manner.
  + Show a timer on each question.
  + Provide an option to pause the timer.
  + If timer runs out –
    - If audience is passable, automatically pass the question to the next team.
    - If audience is direct, automatically give 0 score and wait for user input to proceed to the next question.
  + Show the current standing of each team after each round.
  + Provide an option to show the current standing of each team at any point in time right after the answer is submitted and before proceeding to next question.
  + After each round, show the cumulative score and score obtained in the previous round of each team.
  + After quiz complete, show a summary containing the scores of each round and cumulative scores of all the team.
* See the list of available quizzes.
* Able to view the result summary of quizzes in completed status.
* Support resuming a quiz which is in progress from any question where it last stopped.

## Limitations

* Edit of quiz does not allow the following.
  + Update of quiz round question format and answer format.
  + Adding new question or deleting question from the quiz rounds.
  + Ordering the questions in each round.
  + Order the quiz rounds.