**QUIZBAY - Quiz Application**

MicroServices

1. LeaderBoard + Player
2. Quiz
3. QuizMaster

Screens

**Android and iOS (Player)**

1. Login player
2. Type of game - static or dynamic
3. Playground

3.1 Static playground

3.2 Dynamic playground

5. LeaderBoard

5.1 Static leaderboard

5.2 Dynamic leaderBoard

6 Account of user

6.1 Edit profile

**Web (Quizmaster)**

1. Register & Login
2. Scrapper
3. Screener
4. Master (Contest Creator) -> LeaderBoard, Reports

DataBase Structure

1. LeaderBoard + Player (MONGO)
2. Storing Questions (Mongo)
3. QuizMaster Authentication (MONGO)
4. Quiz (MONGO)

Schema Design

1. LeaderBoard - MONGO

1.1 id - PK

1.2 gameId - FK

1.3 playerId - FK

1.4 timeTaken

1.5 date

1.6 score

2. Player - MONGO

2.1 playerId - PK

2.2 email

2.3 userLevelRating

2.4 totalScore

3. Quiz (game) - MONGO

3.1 contestId - PK

3.2 startTime

3.3 contestName

3.4 numberOfQuestions

3.5 maximumScore

3.6 skipAllowed

3.7 dateAdded

3.8 time (for each question)

3.9 category

3.10 type (static / dynamic)

3.11 quizMasterId

3.12 endTime

3.13 duration

3.14 list<code>

4. Question - MONGODB (Both Permanent & Temporary)

4.0 id

4.1 code

4.2 question

4.3 List<Answer>

4.5 difficulty

4.6 category

4.7 score

4.8 questionType (image/text/audio/video)

5. Answer - MONGO

5.1 id

5.2 value

5.3 positions

5.4 isCorrect

6. Subscription - MONGO

6.1 id - PK

6.2 playerId - FK

6.3 contestId - FK

7. QuizMaster (JWT)

Email

Password

Token

Session

Id

**API’S**

* /admin/scrapper - Scrapper to post API
* /admin/screener/get - Screener to get the questions from database
* /admin/screener/post - Screener to send the data to new database after screening
* /admin/quizmaster/static/createcontest - give details of quiz, contest timing and questions to be added in the contest
* /admin/quizmaster/dynamic/createcontest - give details of quiz, contest timing and questions to be added in the contes
* /admin/quizmaster/dynamic/liveconteststop - quizmaster to stop contest
* /admin/quizmaster/showleaderboard
* /admin/quizmaster/report

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* /findByContest
* /findByType
* /getContest
* /startQuiz
* /showLeaderBoard (by type - static/dynamic)
* /getPlayer
* /updateTotalScore
* /findByQuestionCode
* /findBySubscriptionId
* List<userId> findByContestId

Notification-> data will be shared through kafka for common infra

**API’s**

* [http://10.20.4.154:8180/player/{id](http://10.20.4.154:8180/player/%7Bid)}
* [http://10.20.4.154:8180/player/{id](http://10.20.4.154:8180/player/%7Bid)}/{score}
* [http://10.20.4.154:8180/player/](http://10.20.4.154:8180/player/%7Bid)email/{emailId}
* [http://10.20.4.154:8180/player](http://10.20.4.154:8180/player/%7Bid) (Request Body -> Player Object)
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)contest/{id}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)contest/list
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)contest/start/{contestId}/{playerId}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)contest/delete/{id}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)contest/contest/{type}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)contest (Request Body -> Contest Object)
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)leaderboard (Request Body -> LeaderBoard Object)
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)leaderboard/{type}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)leaderboard/gamesplayed/{id}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)leaderboard/right/{id}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)leaderboard/list/{contestId}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)leaderboard/id/{id}
* [http://10.20.4.154:8180/](http://10.20.4.154:8180/player/%7Bid)leaderboard/all
* <http://10.20.4.154:8180/subscription> (Request Body -> Subscription)
* <http://10.20.4.154:8180/subscription>/all/{id}
* <http://10.20.4.154:8180/subscription>/{playerId}/{contestId}
* <http://10.20.4.154:8180/subscription>/count/{contestId}
* <http://10.20.4.154:8180/subscription>/delete/{playerId}/{contestId}
* <http://10.20.4.154:8180/subscription>/contest/{id}
* <http://10.20.4.154:8180/subscription>/type/{type}/{playerId}
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)answer (Request Body -> answer object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)answer/id/{id}
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)answer/update
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)answerscreen (Request Body -> AnswerScreen object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)answerscreen/id/{id}
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)answerscreen/update (Request Body -> AnswerScreen object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)evaluate (Request Body -> PlayerEvaluation Object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)question/{id}
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)question/update (Request Body -> Question object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)question (Request Body -> Question Object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)question/list
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)question/id/{id}
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)question/storelist
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)question/post/{id}
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)questionscreen/{id}
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)questionscreen/update (Request Body -> Questionscreen object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)questionscreen (Request Body -> Questionscreen Object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)questionscreen/list
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)questionscreen/id/{id}
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)questionscreen/url (Request Body -> Questionscreen Object)
* [http://10.20.4.154:8181/](http://10.20.4.154:8180/subscription)questionscreen/search/{question}
* [http://10.20.4.154:8181/question](http://10.20.4.154:8181/question/scrapper)screen[/scrapper](http://10.20.4.154:8181/question/scrapper) (Request Param -> String api)