Quiz Service

# Terminology:

Course -> Section> Topic->Quiz -> Question

# Question:

UUID Id

String quizId

String title

enum QuestionType {MCQ, TF}

QuestionType questionType

Int marks

Int negativeMarks

enum TaxonomyLevel {REMEMBER, UNDERSTAND, APPLY, ANALYZE, EVALUATE, CREATE}

TaxonomyLevel taxonomyLevel

Date createdOn

Date updatedOn

List<Option> options;

String incorrectAnswerExplanation

Challenge: How to format coding questions (HTML)

Option:

int Id

String Value

boolean isCorrect

String description

# Quiz Service JSON

{

"id": "question1",

"quizId": "quiz1",

"questionType": 0,

"marks": 10,

"negativeMarks": 1,

"taxonomyLevel": 3,

"createdOn": "20/10/2020",

"updatedOn": "21/10/2020",

"options": [

{

"id": "option1",

"value": "Option1",

"isCorrect": True,

"description": "First Option"

},

{

"id": "option2",

"value": "Option2",

"isCorrect": False,

"description": "Second Option"

},

{

"id": "option3",

"value": "Option3",

"isCorrect": False,

"description": "Third Option"

},

{

"id": "option4",

"value": "Option4",

"isCorrect": False,

"description": "Fourth Option"

}],

"incorrectAnswerExplanation": "Correct answer must be selected."

}

END POINTS                                                      HTTP REQUEST                                     DESCRIPTION

<http://localhost:8084/api/v1/Quiz>                   GET                      Should fetch all the quizzes

[http://localhost:8084/api/v1/Quiz/{QuizId](http://localhost:8084/api/v1/Quiz/%7bQuizId)}         GET          Should fetch specific quiz with provided id

[http://localhost:8084/api/v1/Quiz/{QuizId}/CreateQuiz](http://localhost:8084/api/v1/Quiz/%7bQuizId%7d/CreateQuiz)      POST                  Should create a new quiz

[http://localhost:8084/api/v1/Quiz/{QuizId}/UpdateQuiz](http://localhost:8084/api/v1/Quiz/%7bQuizId%7d/UpdateQuiz)     POST            Should update the existing quiz

[http://localhost:8084/api/v1/Quiz/{QuizId}/DeleteQuiz](http://localhost:8084/api/v1/Quiz/%7bQuizId%7d/DeleteQuiz)        GET                         Should delete the quiz