**API Specification Doc**

**(*Quiz*)**

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| **Version** | **Author** | **Description** |
| 1.0 | Company #19 (Amsquare team) | Initial draft |
| 2.0 | Company #19 (Amsquare team) | Sprint2 draft |
| 2.5 | Company #19 (Amsquare team) | Sprint3 draft |
| 3.0 | Company #19 (Amsquare team) | final draft |

# Methods

1. **get quizzes**

# Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | https://quiz-c19.herokuapp.com/quizzes |

# Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Response will be an object containing the list of all the quizzes (array), each quiz contains an array of the quiz’s questions, each question contains an array of its choices.**  **An example response is:-**  [  {  "title": "example",  "pass\_score": 20,  "duration": 10,  "id": 3,  "skill\_type": "java",  "questions": [  {  "id": 1,  "question\_title": "java",  "quiz\_id": 3,  "choices": [  {  "id": 1,  "title": "choice 1",  "question\_id": 1,  "correct\_choice": true,  "created\_at": "2019-05-01T14:00:44.812Z",  "updated\_at": "2019-05-01T14:00:44.812Z"  },  {  "id": 2,  "title": "choice 2",  "question\_id": 1,  "correct\_choice": false,  "created\_at": "2019-05-01T14:00:44.815Z",  "updated\_at": "2019-05-01T14:00:44.815Z"  },  {  "id": 3,  "title": "choice 3",  "question\_id": 1,  "correct\_choice": false,  "created\_at": "2019-05-01T14:00:44.816Z",  "updated\_at": "2019-05-01T14:00:44.816Z"  }  ]  }, …..etc. |

1. **get a quiz(s) based on the skill type**

# Request

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| --- | --- |
| **Method** | **URL** |
| **GET** | https://quiz-c19.herokuapp.com/quizzes?skill\_type[]={example} |

# Response

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| --- | --- |
| **Status** | **Response** |
| 200 | **Response will be an object containing the list of quizzes (array) that have the skill type {example}, each quiz contains an array of the quiz’s questions, each question contains an array of its choices, if there is no such quizzes the returned array will be empty.**  **An example response is:-**  [  {  "title": "example",  "pass\_score": 20,  "duration": 10,  "id": 4,  "skill\_type": "java",  "questions": []  }  ]  **An example response if no there is no match is:-**  [] |

1. **get a quiz based on its id**

# Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | https://quiz-c19.herokuapp.com/quizzes/{id} |

# Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Response will be an object containing of the quiz attributes, each quiz contains an array of the quiz’s questions, and each question contains an array of its choices.**  **An example response is:-**  {  "title": "test",  "pass\_score": 20,  "duration": 10,  "id": 3,  "skill\_type": "java",  "questions": [  {  "id": 1,  "question\_title": "java",  "quiz\_id": 3,  "choices": [  {  "id": 1,  "title": "choice 1",  "question\_id": 1,  "correct\_choice": true,  "created\_at": "2019-05-01T14:00:44.812Z",  "updated\_at": "2019-05-01T14:00:44.812Z"  }]  }]  } |

1. **Create a quiz**

# Request

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| --- | --- |
| **Method** | **URL** |
| **POST** | https://quiz-c19.herokuapp.com/quizzes |

# Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 201 | **Response will be an object containing of the quiz attributes, each quiz contains an array of the quiz’s questions, and each question contains an array of its choices.**  **An example request is:-**  {  "quiz": {  "title": "test",  "pass\_score": 20,  "duration": 10,  "skill\_type": "java",  "questions": [  {  "question\_title": "java",  "choices": [  {  "title": "choice 1",  "correct\_choice": true  },  {  "title": "choice 2",  "correct\_choice": false  },  {  "title": "choice 3",  "correct\_choice": false  }  ]  }  ]  }  }  **An example response is:-**  {  "title": "test",  "pass\_score": 20,  "duration": 10,  "id": 3,  "skill\_type": "java",  "questions": []  } |

1. **update the quiz attributes**

To modify the quiz attributes { title, pass\_score, duration, id, skill\_type}

# Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **PUT** | https://quiz-c19.herokuapp.com/quizzes/{id} |

# Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Response will be an object containing of the quiz attributes, each quiz contains an array of the quiz’s questions, and each question contains an array of its choices,**  **Note that the you need to write the changed value in the body and you will get the response after it is changed to the new value**  **An example request is:-**  {  "title": "example",  "pass\_score": 20,  "duration": 10,  "id": 4,  "skill\_type": "java",  "questions": []  }  **An example response is:-**  {  "title": "example",  "pass\_score": 20,  "duration": 10,  "id": 4,  "skill\_type": "java",  "questions": []  } |

**Conventions**

* + **Client** - Client application.
  + **Status** - HTTP status code of response.
  + All the possible responses are listed under ‘Responses’ for each method. Only one of them is issued per request server.
  + All response are in JSON format.
  + A single question must have at least three choices.
  + Each question must have one and only one correct choice.

# Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |
| 201 | Created |
| 202 | Accepted (Request accepted, and queued for execution) |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |
| 413 | Request Entity Too Large |
| 500 | Internal Server Error |
| 501 | Not Implemented |
| 503 | Service Unavailable |