

NBA Champions - Take-Home Challenge

Introduction

Write a **native** mobile application that does the following:

- Uses the API specified at the end of this document to fetch details of past NBA Champions.
- Displays these details on the screen for the user.
- Ensures that the displayed list does not have duplicate elements.
- Allows the user to add new entries to this list.

Requirements

- You can write your application for either Android or iOS.
- You can choose whatever minimum api/OS version you like.
- We care about the quality of the code and not merely a working solution.
- Document your project along with any other notes/considerations/etc.

Notes

- You may use any 3rd party libraries for this challenge.
- Ensure that the UI is functional and simple. Do not spend too much time on making it look pretty.
- If any part is taking an unreasonable amount of time, feel free to leave it unfinished and document what could not be completed and why. We are most interested in careful design and well structured code, not that you were able to deal with every single issue you encountered.

Submission

Your submission should be a complete project that can be run. Please submit a zip archive or git repository containing the following:

- Program source code listings.
- Test code (i.e., unit tests, integration tests) sufficient to demonstrate the solution's correctness.
- Provide a README with:
 - Any instructions required to build and exercise the solution.
 - Any assumptions made and background on design decisions you feel need explanation.
 - Any limitations of the solution that may be of interest.

API

[GET]: <http://www.mocky.io/v2/5eb582ae3100006a00699684>

JSON schema:

```
{
  "$schema": "http://json-schema.org/draft-07/schema",
  "type": "array",
  "title": "NBA champions list",
  "description": "List of all NBA champions",
  "default": [

  ],
  "additionalItems": true,
  "items": {
    "$id": "#/items",
    "type": "object",
    "title": "NBA champions",
    "description": "Details of the NBA champion each year",
    "default": {

    },
    "additionalProperties": true,
    "required": [
      "id",
      "year",
      "team"
    ],
    "properties": {
      "id": {
        "$id": "#/items/properties/id",
        "type": "integer",
        "title": "The entry Id",
        "description": "",
        "examples": [
          1
        ]
      },
      "year": {
        "$id": "#/items/properties/year",
        "type": "integer",
        "title": "The Year",
        "description": "The Year",
        "examples": [
          1947
        ]
      }
    }
  },
}
```

```
"team":{
  "$id":"#/items/properties/team",
  "type":"string",
  "title":"Winner",
  "description":"The name of the team who won",
  "examples":[
    "Philadelphia Warriors"
  ]
}
}
}
```