**II – The Card Game**

For this exercise:

1. Navigate to https://deckofcardsapi.com/
2. Confirm the site is up
3. Get a new deck
4. Shuffle it
5. Deal three cards to each of two players
6. Check whether either has blackjack
7. If either has, write out which one does

Below is the approach to test and validate the steps:

* 1. To confirm the site is up, run the URL- https://deckofcardsapi.com/ and make sure the Response is success.

Request Method: Get

Status Code: 200

* 1. Get a new deck

Use the API- “A Brand New Deck” to get a new deck

URL- <https://deckofcardsapi.com/api/deck/new/>

Request Method: Get

Response:

{

"success": true,

"deck\_id": "3p40paa87x90",

"shuffled": false,

"remaining": 52

}

**Perform Validations** to check that remaining element has value 52.

Store the value of deck\_id in some variable like “deckId”

* 1. Shuffle it

To Shuffle, use the API- “Shuffle the Cards:”

URL- <https://deckofcardsapi.com/api/deck/new/shuffle/?deck_count=1>

Request Method- Get

Response:

{

"success": true,

"deck\_id": "3p40paa87x90",

"shuffled": true,

"remaining": 52

}

**Validations:**

Make sure shuffled element has value “true”

And the deck\_id matches with the value that is stored in the deckId variable.

* 1. Deal three cards to each of two players

Use the “Draw a Card” API- [https://deckofcardsapi.com/api/deck/+ **deckId** +/draw/?count=](https://deckofcardsapi.com/api/deck/+%20deckId%20+/draw/?count=2)**2**

Here the URL is updated with **deckId** and count as **2**

Response:

{

"success": true,

"deck\_id": "kxozasf3edqu",

"cards": [

{

"code": "6H",

"image": "https://deckofcardsapi.com/static/img/6H.png",

"images": {

"svg": "https://deckofcardsapi.com/static/img/6H.svg",

"png": "https://deckofcardsapi.com/static/img/6H.png"

},

"value": "6",

"suit": "HEARTS"

},

{

"code": "5S",

"image": "https://deckofcardsapi.com/static/img/5S.png",

"images": {

"svg": "https://deckofcardsapi.com/static/img/5S.svg",

"png": "https://deckofcardsapi.com/static/img/5S.png"

},

"value": "5",

"suit": "SPADES"

}

],

"remaining": 50

}

**Validations:**

Make sure the remaining element has value 50

Get the size of the deck and loop this API so that each player gets equal number of cards.

* 1. Check whether either has blackjack

From the response of “Draw a Card” API, check the value from “value” element and add the values to get the total value of 21.

The player with total value of 21 will be the winner and has blackjack.