baka-pwapi-4

POST API Request using Dynamic Request Body

install faker and luxon plugin.

npm install @faker-js/faker --save-dev

npm install --save luxon

luxon is for dates and for normal fake data the faker can be used.

```
1  //
2  const { test, expect } = require("@playwright/test");
3
4  import { faker } from "@faker-js/faker";
5
6  const { DateTime } = require("luxon");
7
8  test("Create POST api request using dynamic request body in playwright", async ({
9    request,
10 }) => {
11   // create test data
12   //create fake data using faker.
13   const firstName = faker.person.firstName();
14   const lastName = faker.person.lastName();
15
16   //generate random number between 0 to 1000
17   const totalPrice = faker.number.int(1000);
18
19   //using luxon.
20   //get the current date and time and format.
21   const checkInDate = DateTime.now().toFormat("yyyy-MM-dd");
22   //add five days to the current date
23   const checkOutDate = DateTime.now().plus({ day: 5 }).toFormat("yyyy-MM-dd");
24
25   // create post api request using playwright
26   const postAPIResponse = await request.post("/booking", {
27     data: {
28       firstname: firstName,
29       lastname: lastName,
30       totalprice: totalPrice,
31       depositpaid: true,
32       bookingdates: {
33         checkin: checkInDate,
34         checkout: checkOutDate,
35       },
36       additionalneeds: "super bowls",
37     },
38   });
39
40   // validate status code
41   console.log(await postAPIResponse.json());
42
43   expect(postAPIResponse.ok()).toBeTruthy();
44   expect(postAPIResponse.status()).toBe(200);
45
46   // validate api response json obj
47   const postAPIResponseBody = await postAPIResponse.json();
48
49   expect(postAPIResponseBody.booking).toHaveProperty("firstname", firstName);
50   expect(postAPIResponseBody.booking).toHaveProperty("lastname", lastName);
51
52   // validate api response nested json obj
53   expect(postAPIResponseBody.booking.bookingdates).toHaveProperty(
54     "checkin",
55     checkInDate
56   );
57   expect(postAPIResponseBody.booking.bookingdates).toHaveProperty(
58     "checkout",
59     checkOutDate
60   );
61 });
```