Zadanie 5: Testy jednostkowe
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Do realizacji tego zadania wykorzystaliśmy framework do JavaScript o nazwie Jest.

Testy do klasy Country:

```javascript
let Country = require('./Country');

test('Country test', () => {
    let date1 = new Date('2021-01-01');
    let date2 = new Date('2021-01-02');
    let country = new Country();
    expect(country.getDataInGivenTimePeriod(date1, date2)).not.toBeNull();
});
```

Testy do klasy CountryDetail:

```javascript
const CountryDetail = require('./CountryDetail');

test('CountryDetail setDates test1', () => {
    let cd = new CountryDetail();
    const date = new Date('2021-01-01');
    const date2 = new Date('2021-01-02');
    cd.setDates(date, date2);
    expect(cd.startDate).toBe(date);
});

test('CountryDetail setDates test1', () => {
    let cd = new CountryDetail();
    const date = new Date('2021-01-01');
    const date2 = new Date('2021-01-02');
    cd.setDates(date, date2);
    expect(cd.endDate).toBe(date);
});

test('CountryDetail enddate higher than startdate test', () => {
    let cd = new CountryDetail();
    const date = new Date('2021-01-02');
    const date2 = new Date('2021-01-01');
    cd.setDates(date, date2);
    expect(cd.date < cd.date2).toBeTruthy();
});
```

Testy do klasy Database:

```javascript
const Database = require('./Database');

test('Database fetchData test', () => {
    let database = new Database();
    let data = database.fetchData();
    console.log(data);
    expect(data).not.toBe(null);
});
```

Testy do klasy Plot:

```javascript
let Plot = require('./Plot');

test('Plot setCountry test', () => {
    let plot = new Plot();
    plot.setCountry('Poland');
    expect(plot.country).toBe('Poland');
});

test('Plot setStartDate test', () => {
    let plot = new Plot();
    const date = new Date();
    plot.setStartDate(date);
    expect(plot.startDate).toBe(date);
});

test('Plot setEndDate test', () => {
    let plot = new Plot();
    const date = new Date();
    plot.setEndDate(date);
    expect(plot.endDate).toBe(date);
});

test('Plot setData test', () => {
    let plot = new Plot();
    const data = {
        test: 'abc',
    };
    plot.setData(data);
    expect(plot.data).toBe(data);
});
```

Testy do klasy User:

```javascript
let User = require('./User');

test('User setBiggerFontSize test', () => {
    let user = new User();
    user.setBiggerFontSize(true);
    expect(user.biggerFontSize).toBe(true);
});
```

Póki co nie mamy jeszcze napisanego programu (tylko puste klasy), więc nasz program nie zdał żadnego testu

```
Test Suites: 5 failed, 5 total
Tests:       10 failed, 10 total
```

Link do repozytorium na Githubie:

https://github.com/szdziedzic/coronavirus-data-app