Name: HUN Ravit
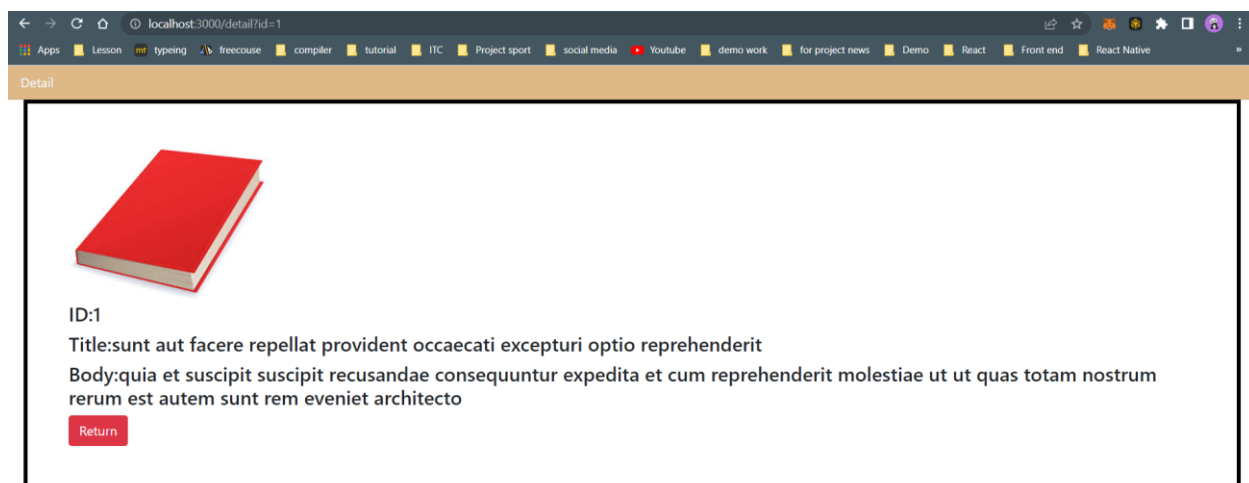
ID: e20180328

Exercise1:

Detail:

```javascript
const queryString = window.location.search;
const urlParams = new URLSearchParams(queryString);
const id = urlParams.get('id');

var dataJson = [];
  fetch('https://jsonplaceholder.typicode.com/posts?id='+id)
  .then((response) => response.json())
  .then((json) => {
    dataJson = json;
    try{
      list_books(dataJson);
    }catch(er){
      console.log(er);
    }

  });
```

```javascript
function list_books (book){
    var temp = '<div class="card">'+
            ' <div class="card-header">Detail</div>'+
      '<div class="card-body">'+
        ' <img src="https://encrypted-tbn0.gstatic.com/images?
        q=tbn:ANd9GcSqvlUrtUxV4jS6bqve90lVWOZWISzDfRGS8Q&usqp=CAU" class="card-img-top" style="width: 250px;
        ">'+
        ' <h4><span>ID:</span>'+book[0].id+'</h4>'+
        '  <h4><span>Title:</span>'+book[0].title+'</h4>'+
        '  <h4 class="card-text"><span>Body:</span>'+book[0].body+'</h4>'+
        '  <a href="/" class="btn btn-danger">Return</a> '+
        ' </div> </div> ';

    $(".data").html("");
    $(".data").append(temp);
}
```
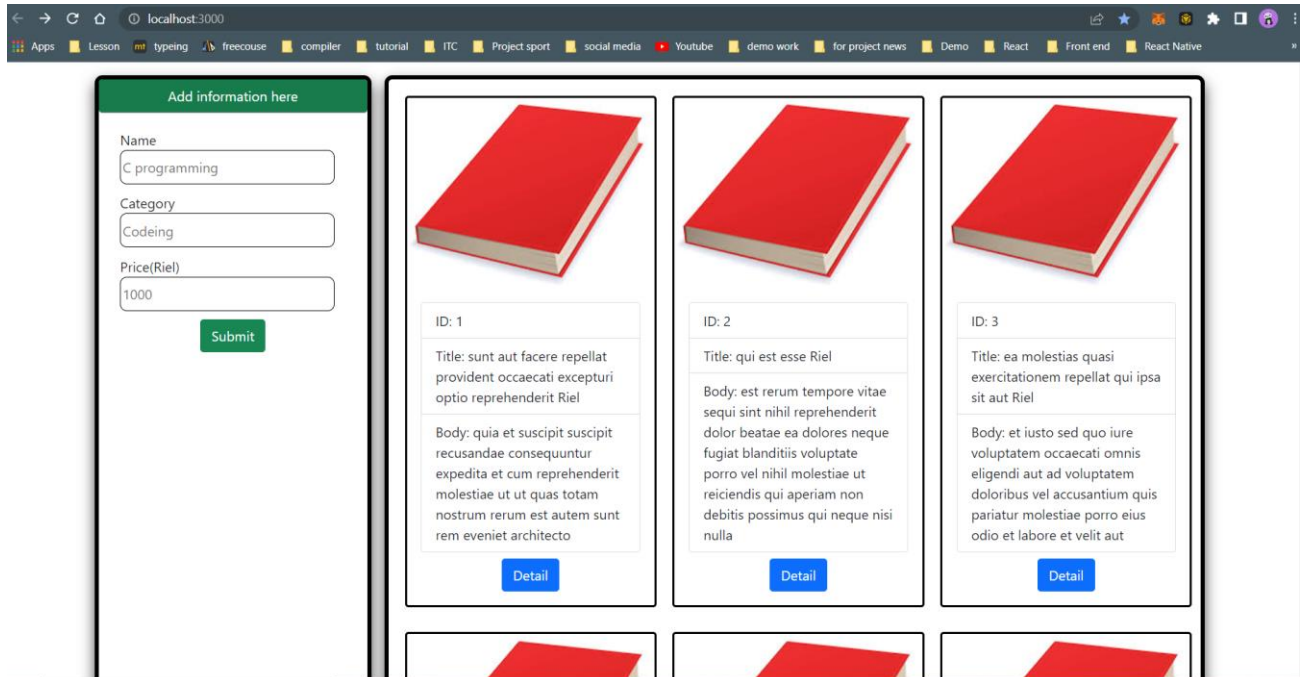
Result

Exercise1 Display:

```javascript
function list_books (book){

  var temp = '';
    for(var i =0 ; i<12 ; i++){
      temp += ' <div class="card no'+i+'"> '+
              ' <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSqvlUrtUxV4jS6bqve90lVWOZWISzDfRGS8Q&
              usqp=CAU" class="card-img-top"> '+
              '<div class="card-body">'+
              '  <div class="list-group">'+
              '    <a class="list-group-item list-group-item-action name" aria-current="true">'+
              '      <span>ID: '+book[i].id+'</span>'+
              '    </a>'+
              '    <a href="#" class="list-group-item list-group-item-action price"><span>Title: '+book[i].title+'
              Riel </span></a>'+
              '    <a href="#" class="list-group-item list-group-item-action category"><span>Body: '+book[i].body+' </
              span></a>'+
              ' </div>'+
              ' <div class="group_btn" style="margin-top:7px;">'+
              '    <Center>'+
              ' <a class="btn btn-primary" href="/detail?id='+book[i].id+'" role="button">Detail</a>'+
              '    </Center>'+
              '   </div>'+
              '</div>'+
              ' </div>';
    }
    $(".block2").html("");
    $(".block2").append(temp);
```

Result

Exercise2:

```typescript
class khmerDateTest{

  private date: Date = new Date();
  private dateNow: Date = new Date();

  constructor(date){
    this.date = new Date(date);
    console.log(this.date);
  }
```

```typescript
getDate(): string{
  var seconds = Math.floor((this.dateNow.getTime() - this.date.getTime()) / 1000);

  var interval = seconds / 31536000;

  if (interval > 1) {
    return Math.floor(interval) + " ឆ្នាំមុន";
  }
  interval = seconds / 2592000;
  if (interval > 1) {
    return Math.floor(interval) + " ខែមុន";
  }
  interval = seconds / 604800;
  if (interval > 1) {
    return Math.floor(interval) + " សប្តាហ៍មុន";
  }
  interval = seconds / 86400;
  if (interval > 1) {
    return Math.floor(interval) + " ថ្ងៃមុន";
  }
  interval = seconds / 3600;
  if (interval > 1) {
    return Math.floor(interval) + " ម៉ោងមុន";
  }
```

```typescript
    interval = seconds / 60;
    if (interval > 1) {
      return Math.floor(interval) + " នាទីមុន";
    }
    return "មុននេះបន្តិច";
  }

}


export{
  khmerDateTest
}
```

Excise2 Index.js

Teacher can minus the checkDate with the variable that I already create for check.

```javascript
const {khmerDateTest} = require('./lib');

//for check
var amonth = 31*24*60*60*1000;
var aWeek = 7*24*60*60*1000;
var aDay = 24*60*60*1000;
var anHour = 60*60*1000;
var aSecond = 60*1000;

var checkDate = Date.now() - anHour;

const khmerDate = new khmerDateTest(new Date(checkDate));
//replace
var Str = khmerDate.getDate();
Str = Str.replace('1','១');
Str = Str.replace('2','២');
Str = Str.replace('3','៣');
Str = Str.replace('4','៤');
Str = Str.replace('5','៥');
Str = Str.replace('6','៦');
Str = Str.replace('7','៧');
Str = Str.replace('8','៨');
Str = Str.replace('9','៩');


console.log(Str);
```

Result:

```
var checkDate = Date.now() - anHour;
```
```
C:\Users\Ravit\Desktop\Year4_SEM2\Lesson AND TP\Internet_Programming\Tp\TP7 Node js\Exercise2>node index.js
2022-02-25T07:32:43.340Z
២០ ឧសភា
```

```
var checkDate = Date.now() - aSecond;
```
```
C:\Users\Ravit\Desktop\Year4_SEM2\Lesson AND TP\Internet_Programming\Tp\TP7 Node js\Exercise2>node index.js
2022-02-25T08:32:40.483Z
ឧសភា
```

```
var checkDate = Date.now() - aWeek*2;
```
```
C:\Users\Ravit\Desktop\Year4_SEM2\Lesson AND TP\Internet_Programming\Tp\TP7 Node js\Exercise2>node index.js
2022-02-11T08:34:40.027Z
២ កុម្ភៈ
```