

## Slot2- Sử dụng Git (github, gitlab)

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Github:

Sử dụng github desktop (sử dụng giao diện, không cần lệnh)

→ Download github desktop

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Ví dụ:

Thực hiện công việc:

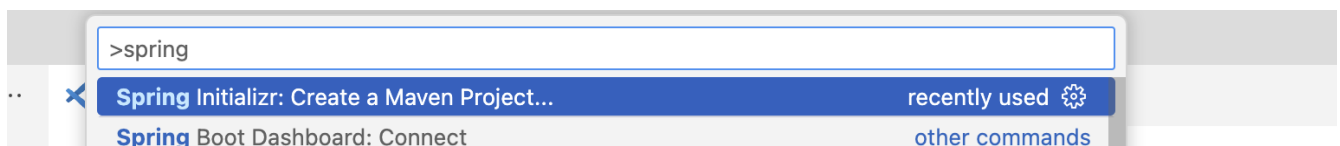
Viết API lấy về danh sách nhân viên có mức lương > 3000

Các bước thực hiện:

B1- tạo dự án trên vscode

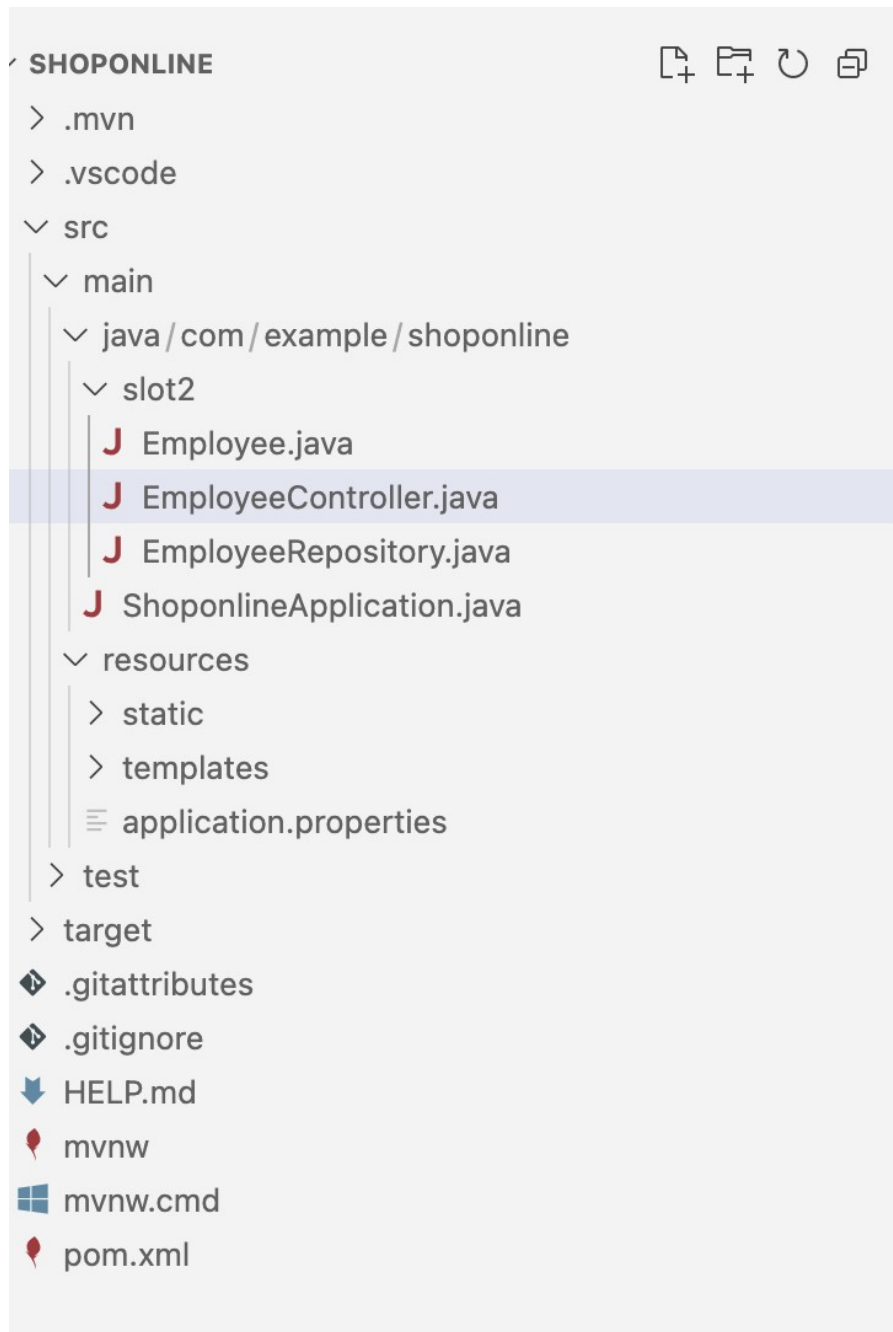
(cần cài đặt thư viện spring)

Sau khi cài xong, nhấn Ctrl Shift P → gõ chữ Spring



B2- tạo csdl + file config  
cấu trúc dự án:





```
Preview HELP.md application.properties X
src > main > resources > application.properties
1  spring.application.name=shoponline
2  spring.datasource.url=jdbc:mysql://localhost:3306/a3
3  spring.datasource.username=root
4  spring.datasource.password=
5  spring.jpa.hibernate.ddl-auto=update
6  spring.jpa.show-sql=true
7
```

## B3- viet model Employee

```
rc > main > java > com > example > shoponline > slot2 > Employee.java > Employee
1  package com.example.shoponline.slot2;
2
3  import jakarta.persistence.Entity;
4  import jakarta.persistence.GeneratedValue;
5  import jakarta.persistence.GenerationType;
6  import jakarta.persistence.Id;
7
8  @Entity
   0 references
9  public class Employee {
10     @Id
11     @GeneratedValue(strategy = GenerationType.IDENTITY)
12     private Long id;
13     private String name;
14     private int age;
15     private double salary;
16     private String department;
```

B4 – Viết interface để giao tiếp giữa model và controller

```

1 package com.example.shoponline.slot2;
2
3 import org.springframework.data.jpa.repository.JpaRepository;
4
5 public interface EmployeeRepository extends JpaRepository<Employee, Long> {
6
7 }

```

## B5- Viết controller

```

package com.example.shoponline.slot2;

import java.util.List;
import java.util.stream.Collectors;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;

@RestController
@RequestMapping("/employee/api") //localhost:8080/employee/api
public class EmployeeController {
    //tham chieu den interface
    @Autowired
    private EmployeeRepository employeeRepository;
    //viet API
    @GetMapping("/high-salary")//localhost:8080/employee/api/high-salary
    public List<Employee> getEmployeesWithHighSalary(){
        return employeeRepository.findAll() //lay tat ca cac nhan vien
            .stream()
            .filter(nv -> nv.getSalary() >3000 )//loc cac nhan vien co muc luong >3000
            .collect(Collectors.toList()); //chuyen thanh dang list
    }
}

```

B6- chạy thử:

mvn spring-boot:run

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