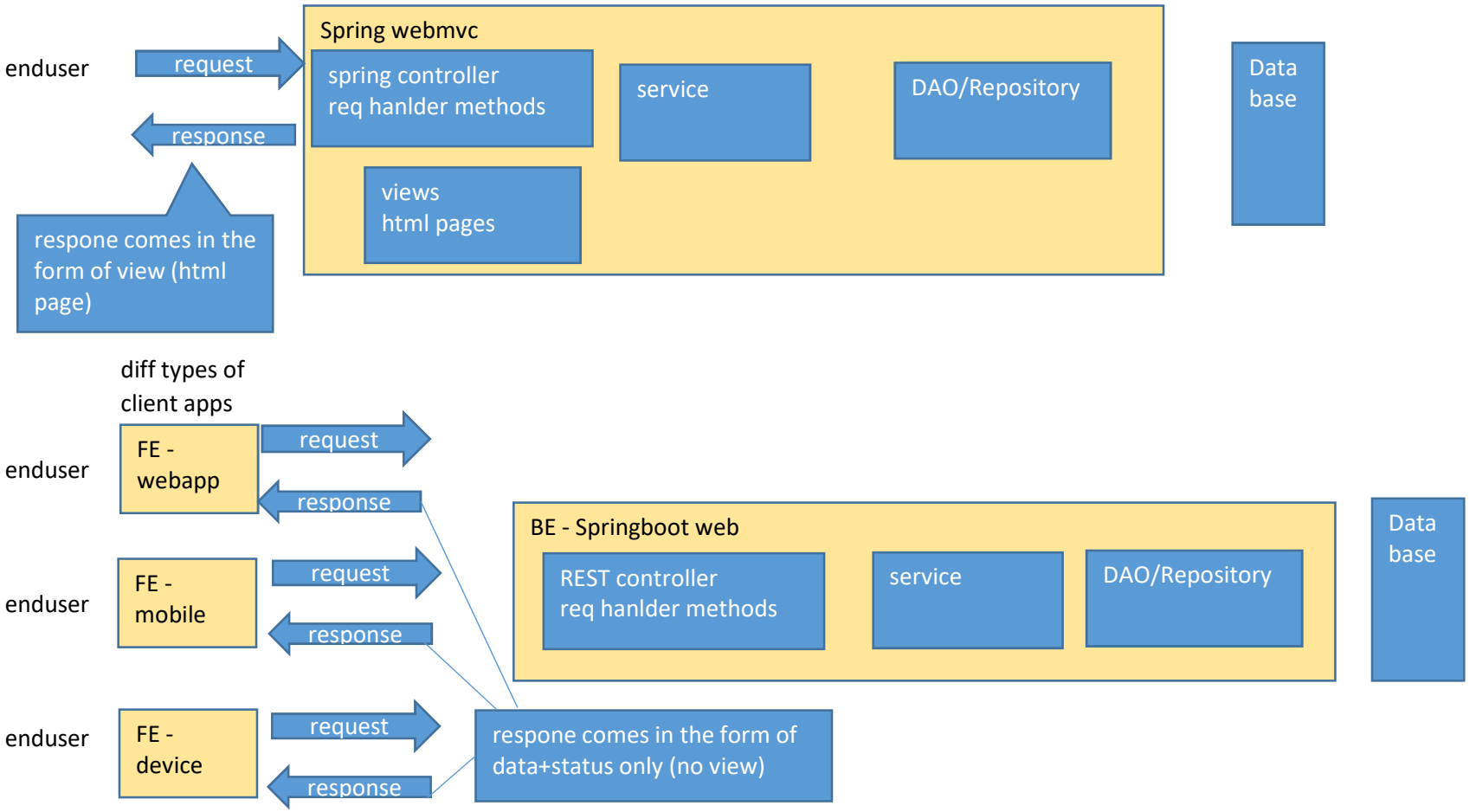
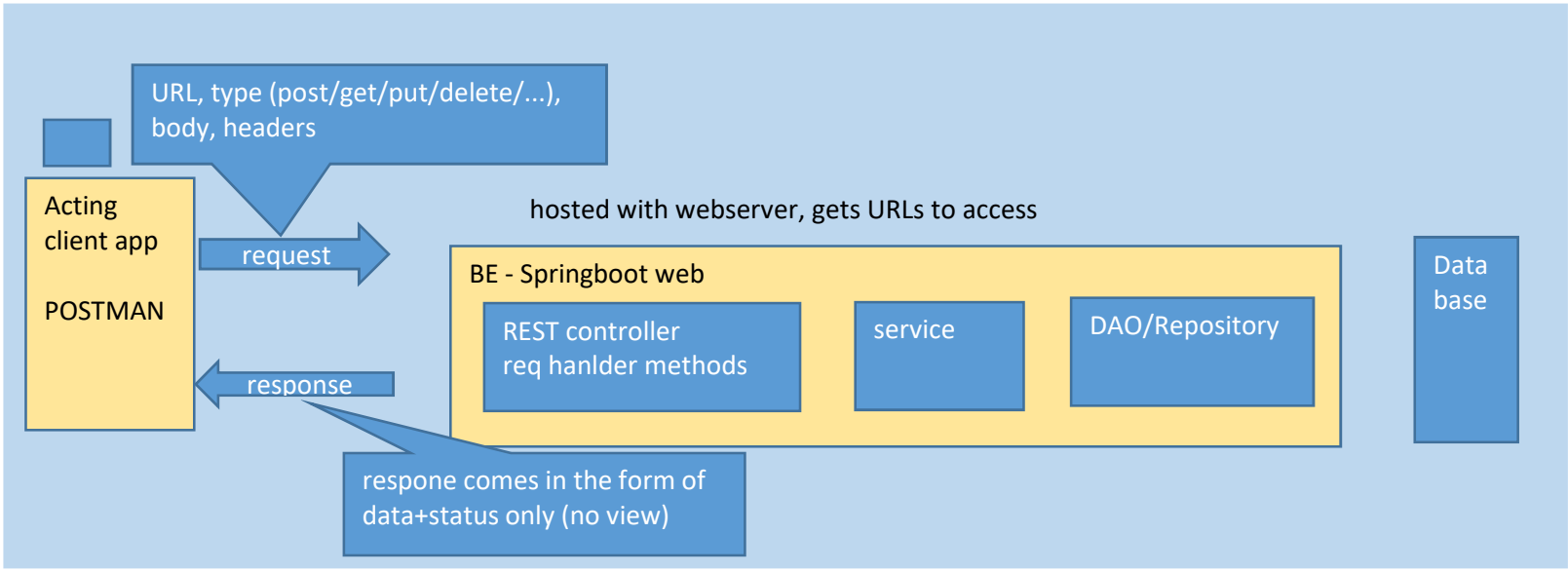
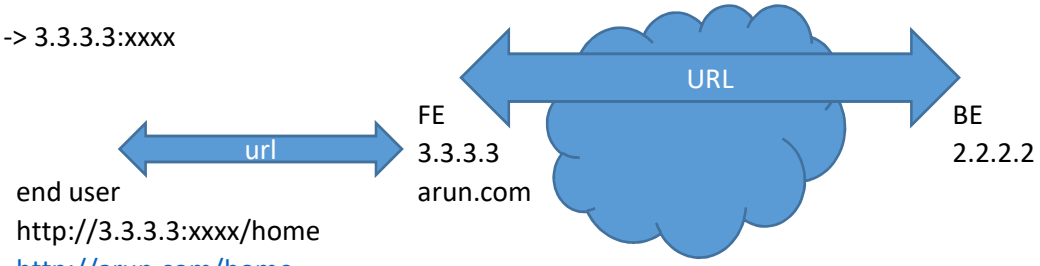
Spring MVC

End User <-> UI <-> Controller <-> Service <-> DAO <-> DB





dns
arun.com -> 3.3.3.3:xxxx



end user
http://3.3.3.3:xxxx/home
http://arun.com/home

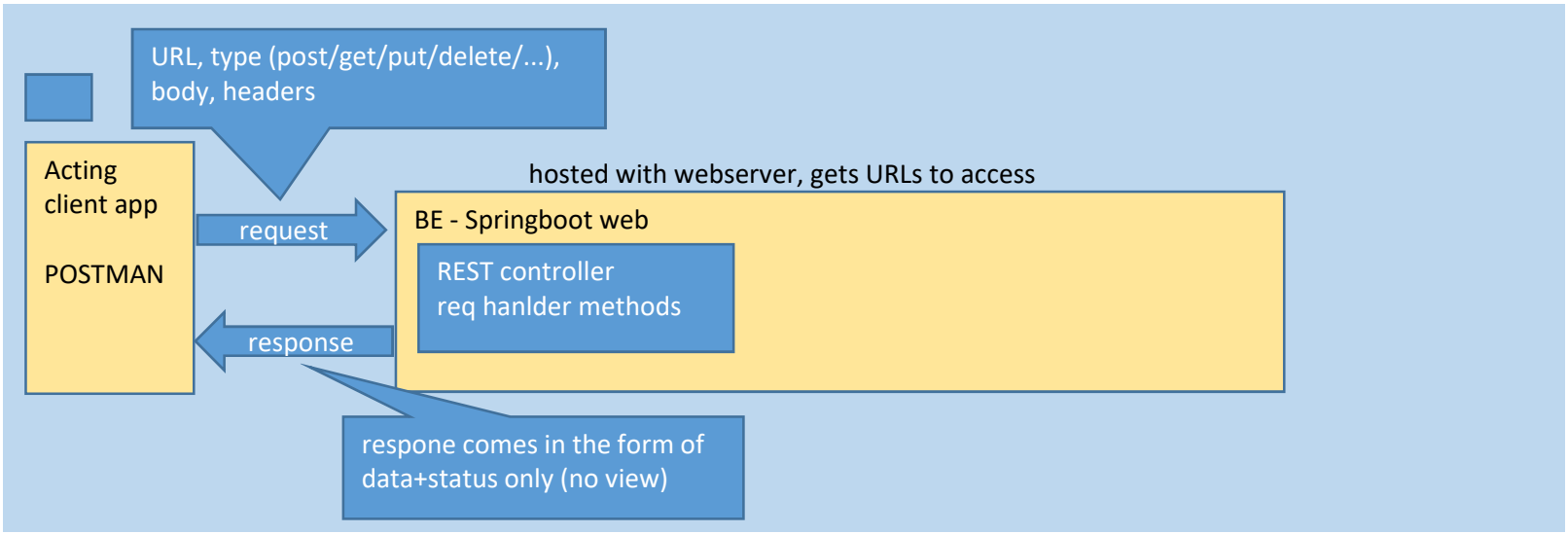
REST Controller

Holds request hanlder methods

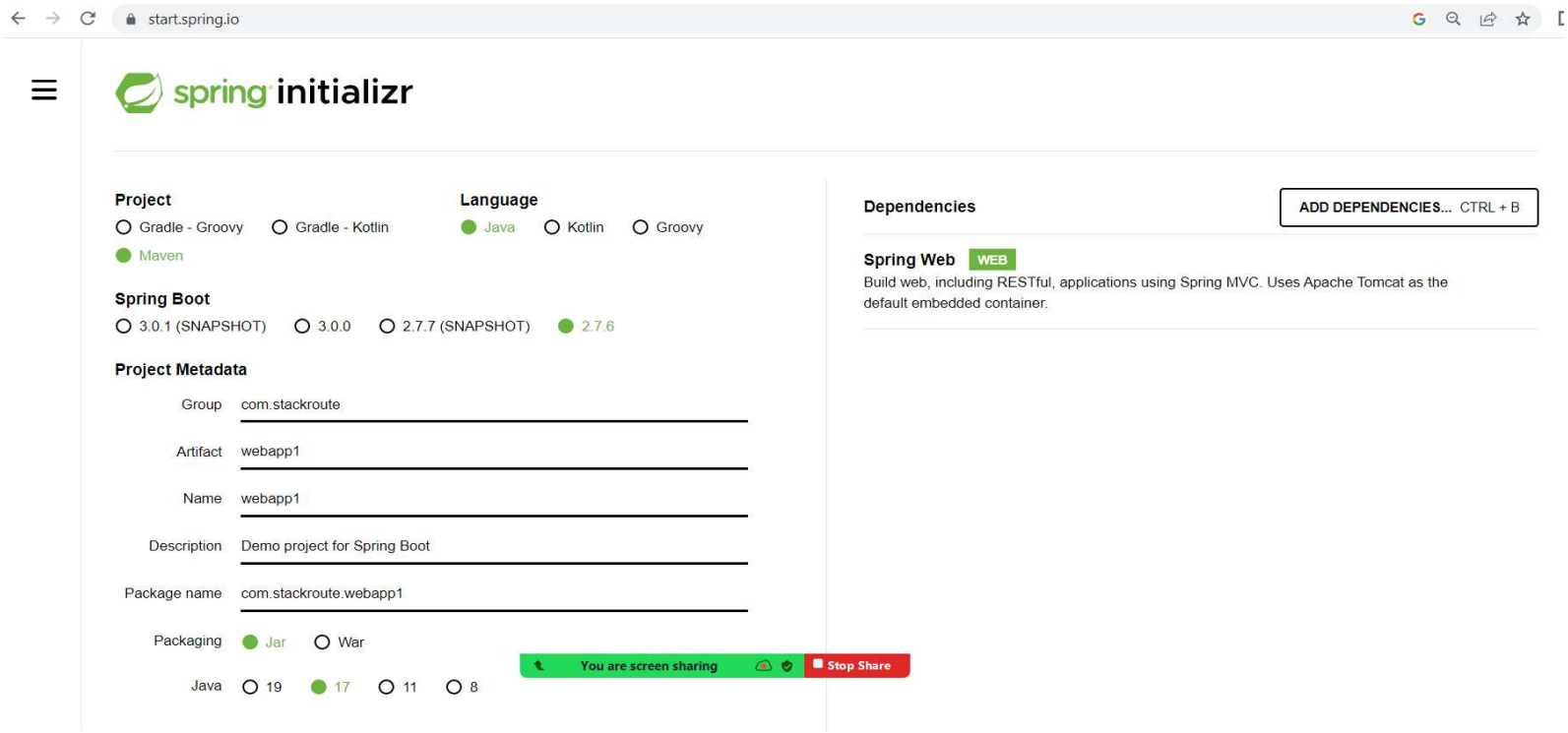
Example 1

Creating simple springboot web application

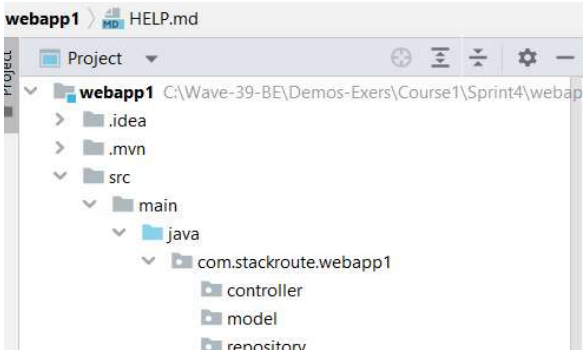
Implementing request handling with REST controller

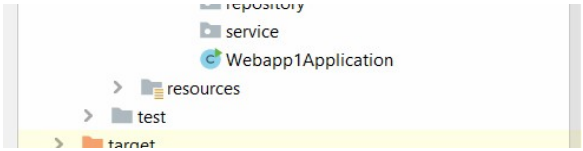


Step 1 Create new springboot application using spring initializer
add dependency 'web'

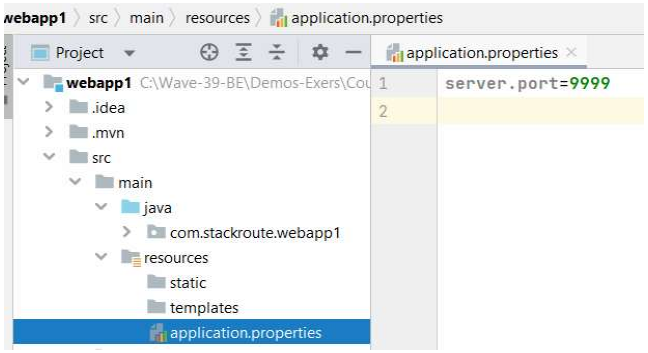


download, extract, copyt to workspace, load in intellij
check settings if required
create required packages

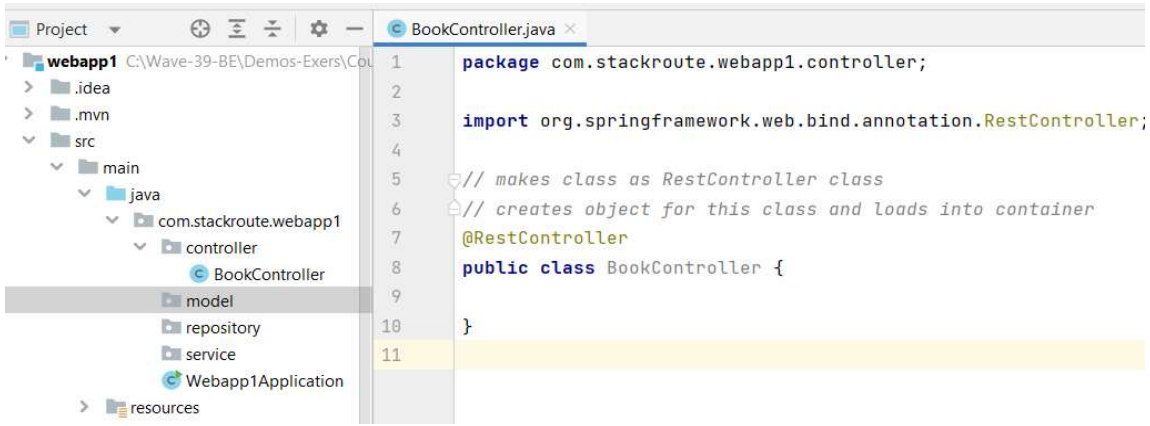




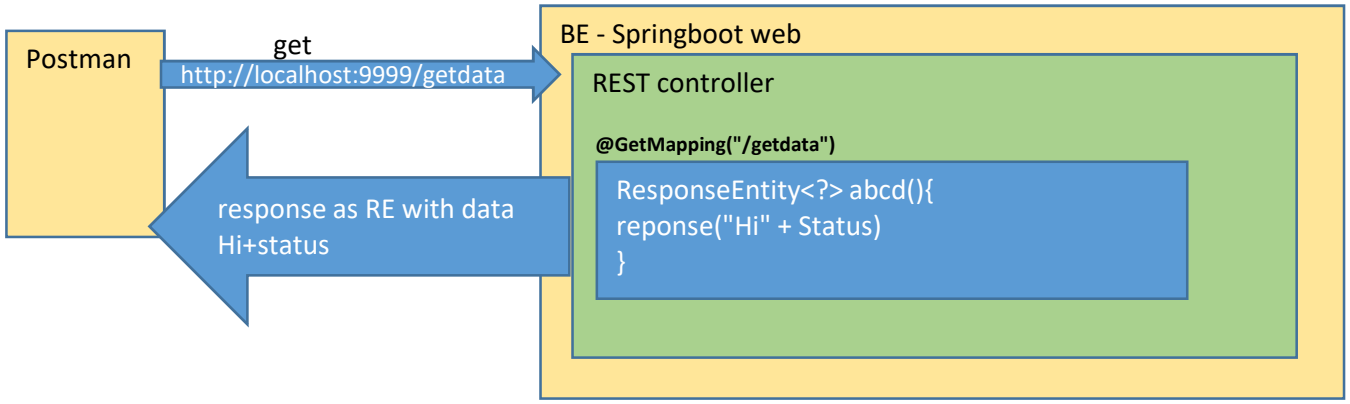
change port number in application.properties



Step 2 Create controller class



BASE_URL
http://localhost:9999/



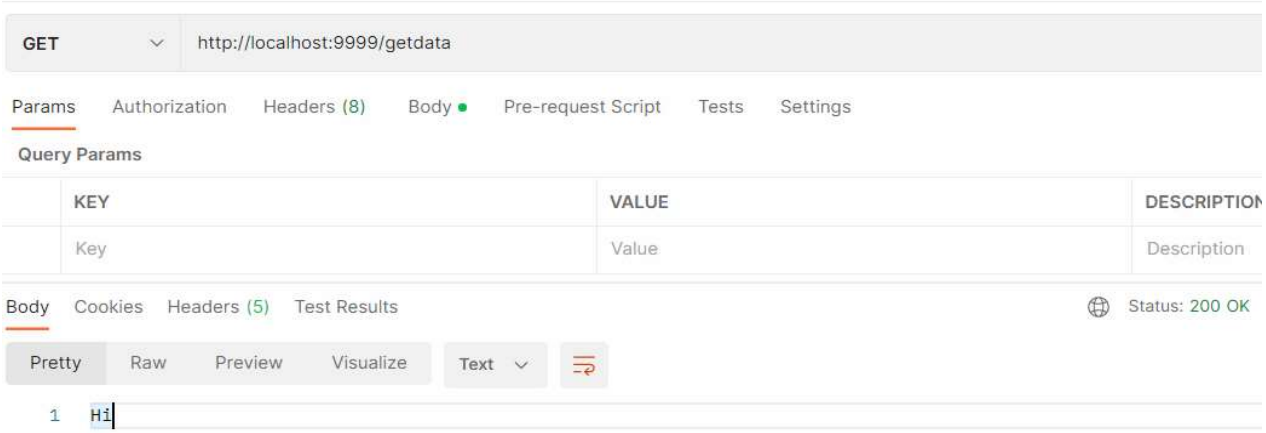
Request mapping
Associating request with request handler
get type /getdata abcd()

abcd()
should return response with data+status

Step 3 Define request handler method in controller

```java
// makes class as RestController class
// creates object for this class and loads into container
@RestController
public class BookController {

    @GetMapping("/getdata")
    public ResponseEntity<?> abcd(){
        return new ResponseEntity<>( body: "Hi", HttpStatus.OK); // data+status
    }

}
```

run application
check in postman by raising request