

Даалгавар 12

JSON хэлбэрийн өгөгдөл буцаах код:

User.java (User классын тодорхойлсон)

```
public class User {  
    private Integer id;  
    private String name;  
    private Date birthDate;  
    public User(Integer id, String name, Date birthDate) {  
        super();  
        this.id = id;  
        this.name = name;  
        this.birthDate = birthDate;  
    }  
    public Integer getId() {  
        return id;  
    }  
    public void setId(Integer id) {  
        this.id = id;  
    }  
    public String getName() {  
        return name;  
    }  
    public void setName(String name) {  
        this.name = name;  
    }  
}
```

```
    public Date getBirthDate() {  
        return birthDate;  
    }  
    public void setBirthDate(Date birthDate) {  
        this.birthDate = birthDate;  
    }  
    @Override  
    public String toString() {  
        return "User [id=" + id + ", name=" + name + ", birthDate=" + birthDate + "];"  
    }  
}
```

UserController.java

```
@RestController
public class UserController {

    @Autowired
    private UserDataService service;

    //Buh hereglegchiin medeelliig object list helbereer butsaana.
    @GetMapping("/users")
    public List<User> retrieveAllUsers(){
        return service.findAll();
    }

    // tuhain ugugdsun id-tai user iin datag JSON helbereer butsaana.
    @GetMapping("/users")
    public User retrieveUser(@RequestParam("id") int id) {
        return service.findOne(id);
    }
}
```

UserDataService.java

```
@Component
public class UserDataService {

    private static List<User> users=new ArrayList<>();
    private static int usersCount = 3;

    //Users
    static {
        users.add(new User(1,"Munkhtsetseg", new Date()));
        users.add(new User(2,"Khulan", new Date()));
        users.add(new User(3,"Dulguun", new Date()));
        users.add(new User(4,"Bagaa", new Date()));
    }

    //Shine user-iig list ruu nemj user-iin toog 1-eer nemegduulne.
    public User save(User user) {
        if(user.getId()==null) {
            user.setId(++usersCount);
        }
        users.add(user);
        return user;
    }
}
```

```

//Ugugdsun id-tai user iig list-ees haij oldwol butsaana.
//oldohgui bol null butsaana.
public User findOne(int id) {
    for(User user:users) {
        if(user.getId()==id)
            return user;
    }
    return null;
}

//Buh user iig list helbereer butsaana.
public List<User> findAll() {
    // TODO Auto-generated method stub
    return users;
}
}

```

Кодын үр дүн:

