

تابع `saveUser`

Simple path :

{[1],[2],[3],[4],[5],[6],[7],[8],[9], [1,3], [1,2],[1,5],[2,4], [4,6],[4,7],[7,9],[7,8], [1,2,5], [1,2,4,6],[1,2,4,6,5],[2,4,6,7,9,2], [2,4,7,9,2],[2,4,7,8,2],[2,4,6,7,8,2],[1,2,4,7,9], [1,2,4,7,8,5]}

Prime path :

[۱,۳] و [۱,۲,۵], [۲,۴,۶,۷,۸,۲], [۲,۴,۶,۷,۹,۲]

که برای meet کردن [۲,۴,۶,۷,۹,۲], [۲,۴,۶,۷,۸,۲], [۱,۲,۵] برای مثال از مسیر [۱,۲,۴,۶,۷,۹,۲,۴,۷,۸,۲,۵] استفاده کنیم که در تست `saveUserFirstPrimeTest` هندل شده است و `saveUserSecondPrimeTest` برای مسیر [۱,۳] نوشته شده است.

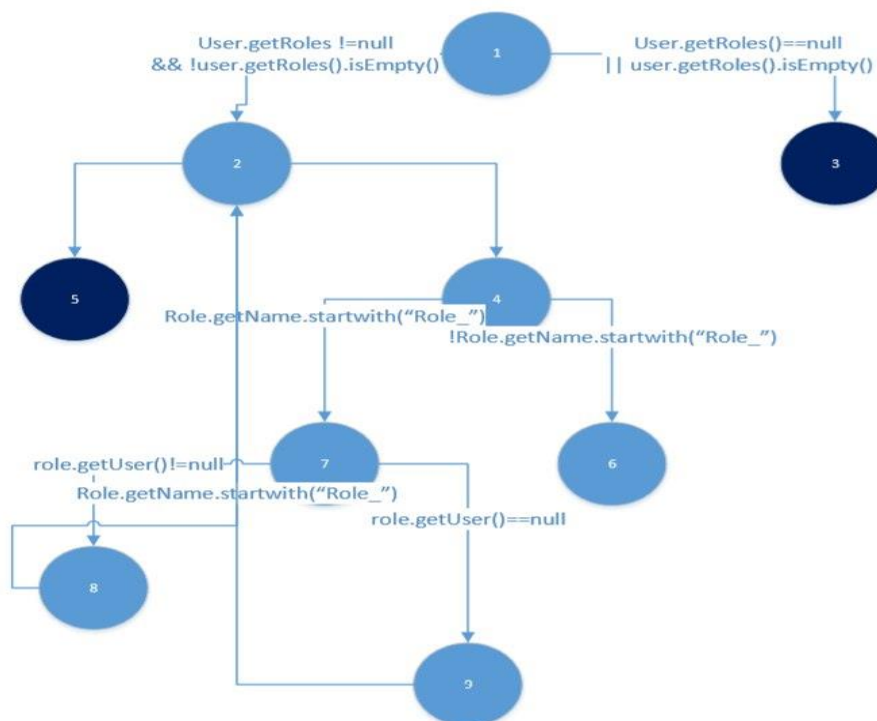
Def , Use :

Use(1):{user} , Def(2):{role} , Use(2):{user} , Use(4):{role} , Use (7):{role} , Use(9):{user} , Def(9):{role}

DU path :

Path های موجود برای Role [۲,۴,۷,۹] است که با path های prime پوشش داده میشوند

همچنین در این تست ها همه ی edge ها نیز cover شده اند .



تابع updateVet :

Simple path :

[1],[2],[3],[4],[5],[6],[7],[8],[9],[1,2],[2,5],[2,4,6],[2,4,6,7],[1,3],[1,2,5],[1,2,4,6,7,9],[1,2,4,6,7],[7,8,7],[8,7,8],[1,4,6]

Prime path :

[1,2,4,6,7,9],[7,8,7],[8,7,8],[1,2,5],[1,3]

که با سه path [۱,۳],[۱,۲,۵],[۱,۲,۴,۶,۷,۸,۷,۹] که در سه تست updateVetTest ها meet شدن

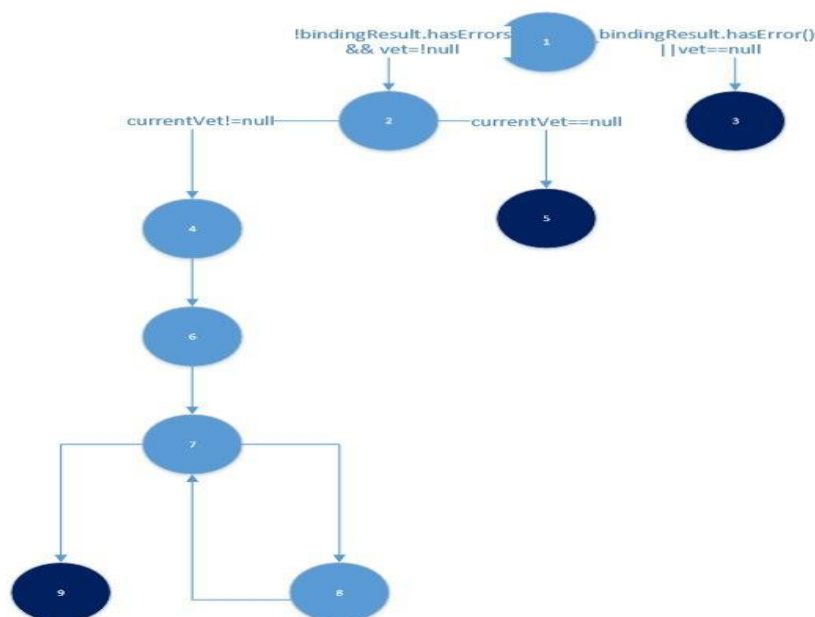
Def , Use :

Def(1):{errors , headers} , Use(1):{bindingResult , vet} , Use(3):{ errors , headers , bindingResult}
 Def(2):{currentVet } , Use(2):{ vetId , currentVet } , Use(4):{currentVet,vet} , Def(7):{spec} , Use(7):{vet}
 ,use(8):{currentVet , spec} ,use(9):{currentVet , clinicService}

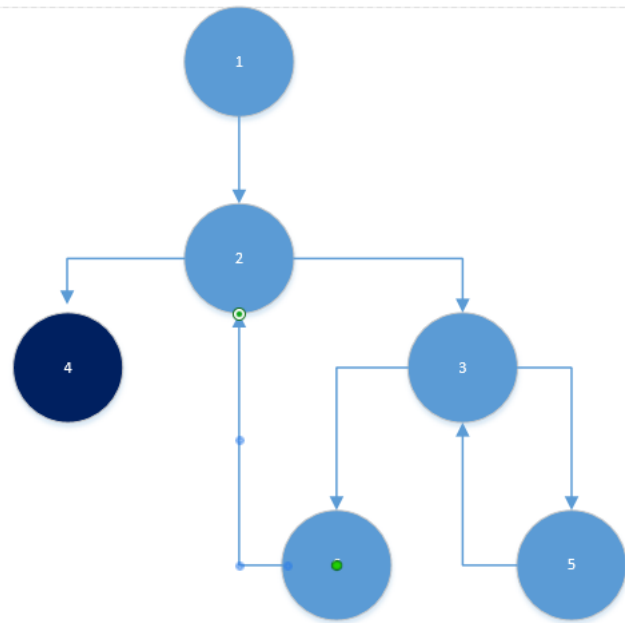
DU pair :

var	DU pair	DU path
errors	(1,3)	[1,3]
headers	(1,3)	[1,3]
bindingResult	(0,(1,3))	[1,3]
Vet	(0,(1,4,7))	[1,2,4,6,7]
currentVet	(2,(2,4,8,9))	[2,4,6,7,8,7,9]
vetId	(0,2)	[1,2]
spec	(7,8)	[7,8]
clinicService	(0,9)	[1,2,4,6,7,9]

که این path ها نیز مانند همه ی edge ها در تست های updateVetTest مشاهده میشوند .



متد delete در فایل SpringDataPetTypeRepositoryImpl :



: Simple path

[1],[2],[3],[4],[5],[6],[1,2],[2,4],[2,3],[3,5],[5,3],[3,6],[6,2],[1,2,4],[1,2,3],[2,3,5],[2,3,6],[3,5,3],[3,6,2],[5,3,5],[6,2,4],[5,3,6],[1,2,3,5],[1,2,3,6],[2,3,6,2],[3,6,2,4],[5,3,6,2],[6,2,3,5],[6,2,3,6]

: Prime path

[6,2,3,6],[6,2,3,5],[5,3,6,2],[3,6,2,4],[2,3,6,2],[1,2,3,5],[5,3,6],[5,3,5],[3,5,3],[1,2,4]

که با path های $[1, 2, 3, 5], [1, 2, 4], [1, 2, 3, 5], [1, 2, 3, 6], [5, 3, 5]$ ، meet میشوند .

```
def(1) { petTypeId , pets }
```

```
use(1) {em, petTypeId}
```

```
def(2) {pet}
```

```
def(3) {visits,visit}
```

```
use(3,5){visits,visit}
```

```
use(3,6){visit,visits}
```

```
use(2,3){ pet,pets}
```

```
use(4) {em ,petTypeId}
```

```
use(2,4){pet,pets}
```

```
use(5) {em,visit}
```

use(6) {em ,pet}

: Du Path

[1,2,4],[2,3],[2,6],[3,6],[3,5]

که این path ها نیز مانند edge ها در prime ها subsume میشوند

تابع deleteSpecialt

Path :

[1].[2],[3],[4],[5],[6],[7],[8],[9] , [1,2],[2,4],[2,3],[3,5],[3,6],[5,7],[5,8],[7,8]

Prime path :

[1,2,3,5,7,9],[1,2,4],[1,2,3,6],[1,2,3,5,8]

لیست : Def , Use

Def(1): { specialty } ,Use{specialtyId}

Def(2) :{specialty} in ClinicServiceImpl } ,Use{specialtyId}

def(3):{specialty}

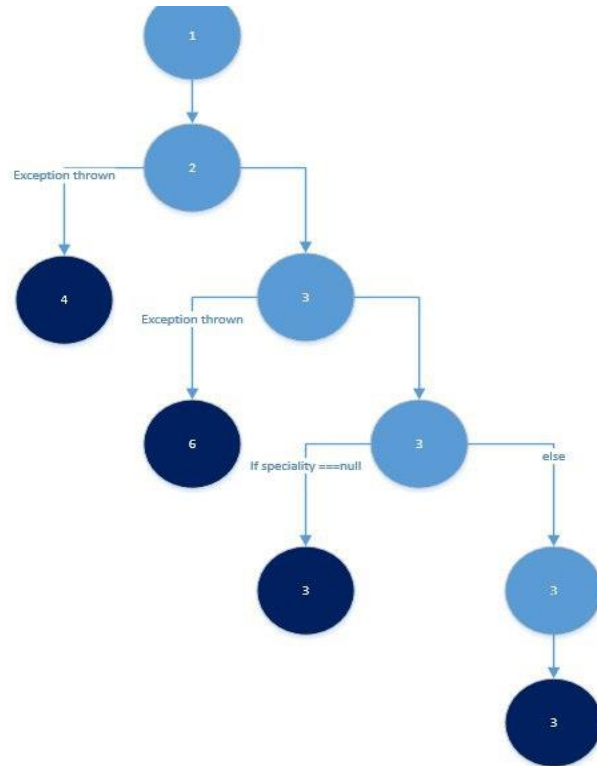
use(5):{id, speciality} ,def(5):{speciality , params }

Use(6):{id}

Use(7):{speciality}

Du path:

در path های مشاهده میشوند .



نتائج branch coverage متدها :

spring_petclinic_rest\UserServiceImplTest.exec > org.springframework.samples.petclinic.service > UserServiceImpl

UserServiceImpl

Element	Missed Instructions	Cov	Missed Branches	Cov	Missed	Cnty	Missed	Lines	Missed	Methods
saveUser(User)	<div><div></div></div>	100%	<div><div></div></div>	100%	0	6	0	10	0	1
UserServiceImpl()	<div><div></div></div>	100%	<div><div></div></div>	n/a	0	1	0	1	0	1
Total	0 of 54	100%	0 of 10	100%	0	7	0	11	0	2

Created with JaCoCo 0.8.2.201808211720

spring_petclinic_rest\VetRestControllerTests.exec > org.springframework.samples.petclinic.rest > VetRestController

VetRestController

Element	Missed Instructions	Cov	Missed Branches	Cov	Missed	Cnty	Missed	Lines	Missed	Methods
addVet(Vet_BindingResult_UrlComponentsBuilder)	<div><div></div></div>	73%	<div><div></div></div>	75%	1	3	3	9	0	1
updateVet(int_Vet_BindingResult)	<div><div></div></div>	89%	<div><div></div></div>	75%	2	5	2	17	0	1
getAllVets()	<div><div></div></div>	100%	<div><div></div></div>	100%	0	2	0	5	0	1
deleteVet(int)	<div><div></div></div>	100%	<div><div></div></div>	100%	0	2	0	5	0	1
getVet(int)	<div><div></div></div>	100%	<div><div></div></div>	100%	0	2	0	4	0	1
VetRestController()	<div><div></div></div>	100%	<div><div></div></div>	n/a	0	1	0	1	0	1
Total	22 of 192	88%	3 of 18	83%	3	15	5	41	0	6

Created with JaCoCo 0.8.2.201808211720

SpecialtyRestController

Element	Missed Instructions	Cov	Missed Branches	Cov	Missed	Cxty	Missed	Lines	Missed	Methods
addSpecialty(Specialty_BindingResult_UriComponentsBuilder)	<div><div></div></div>	73%	<div><div></div></div>	75%	1	3	3	9	0	1
updateSpecialty(int_Specialty_BindingResult)	<div><div></div></div>	90%	<div><div></div></div>	66%	2	4	1	12	0	1
getAllSpecialty()	<div><div></div></div>	100%	<div><div></div></div>	100%	0	2	0	5	0	1
deleteSpecialty(int)	<div><div></div></div>	100%	<div><div></div></div>	100%	0	2	0	5	0	1
getSpecialty(int)	<div><div></div></div>	100%	<div><div></div></div>	100%	0	2	0	4	0	1
SpecialtyRestController()	<div><div></div></div>	100%	<div><div></div></div>	n/a	0	1	0	1	0	1
Total	19 of 171	88%	3 of 16	81%	3	14	4	36	0	6