

# Spring Boot Crud Application

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## Technical Requirements

- Java SE 1.8 or newer
- Database: MySQL > 5.5 → Hibernate
- Spring Boot, Spring MVC, Spring Security
- Maven
- FreeMarker Template (FTL)
- Javascript/JQuery
- VCS: Git (Gitlab repositories)

## GitHub Repository

```
$ git clone https://github.com/AlexandreLeFou/SpringBoot.git
```

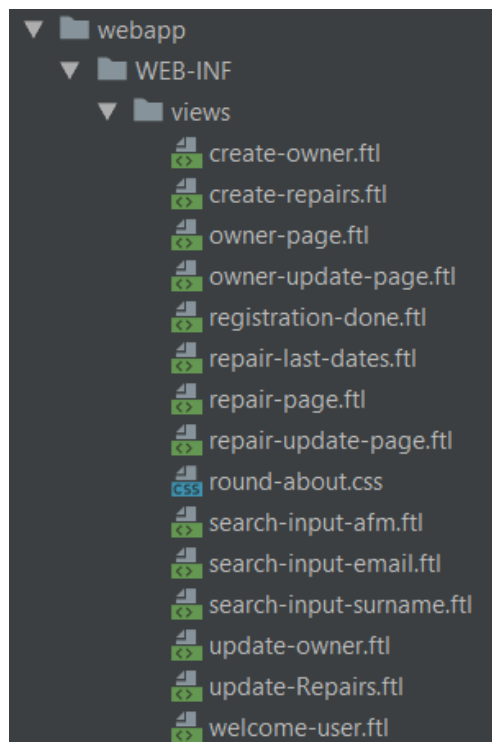


Figure 1 IntelliJ print screen regarding the FTL files used to our web application

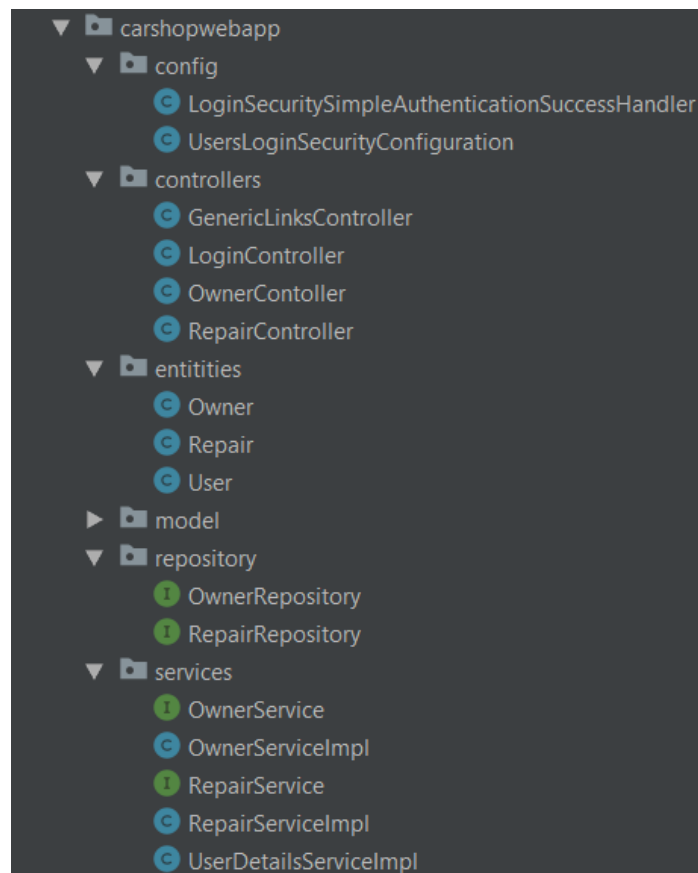


Figure 2 IntelliJ print screen of the main/java folder regarding the MVC structure used to our web application

A screenshot of a web browser window. The address bar shows 'localhost:8000/carshopwebapp/login'. The page has a light gray background. At the top, it says 'Please sign in' in a large, bold, black font. Below this, there are two input fields: 'Username' and 'Password'. The 'Password' field has a small blue outline. Below the input fields is a blue button with the text 'Sign in' in white.

Figure 3 Login Form in order to access the site

A screenshot of a web browser window. The address bar shows 'localhost:8000/carshopwebapp/login?error'. A red arrow points to the '?error' part of the URL. The page has a light gray background. At the top, it says 'Please sign in' in a large, bold, black font. Below this, there is a red rectangular box with the text 'Bad credentials' in black. Below the error message, there are two input fields: 'Username' and 'Password'. The 'Username' field has a blue outline. Below the input fields is a blue button with the text 'Sign in' in white.

Figure 4 Login Form error message for unauthorized user information

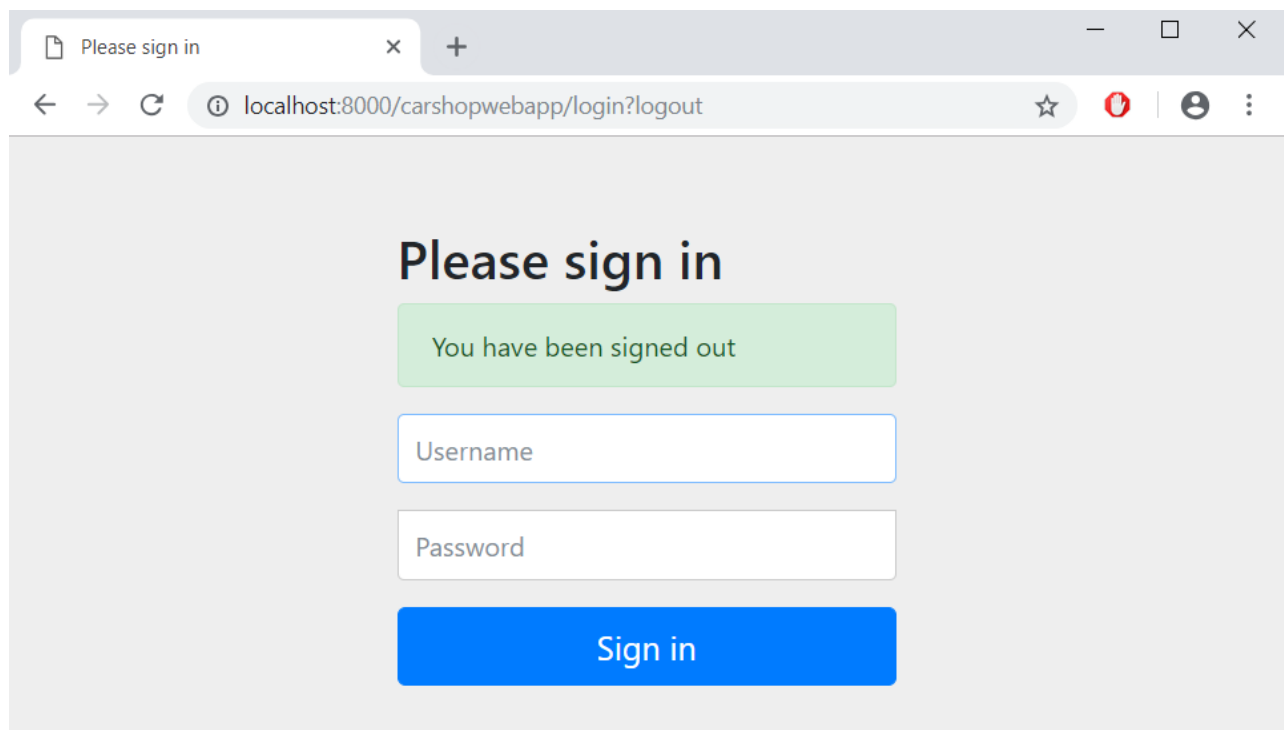


Figure 5 Logout page(delete the cookies of the user/admin sessions)

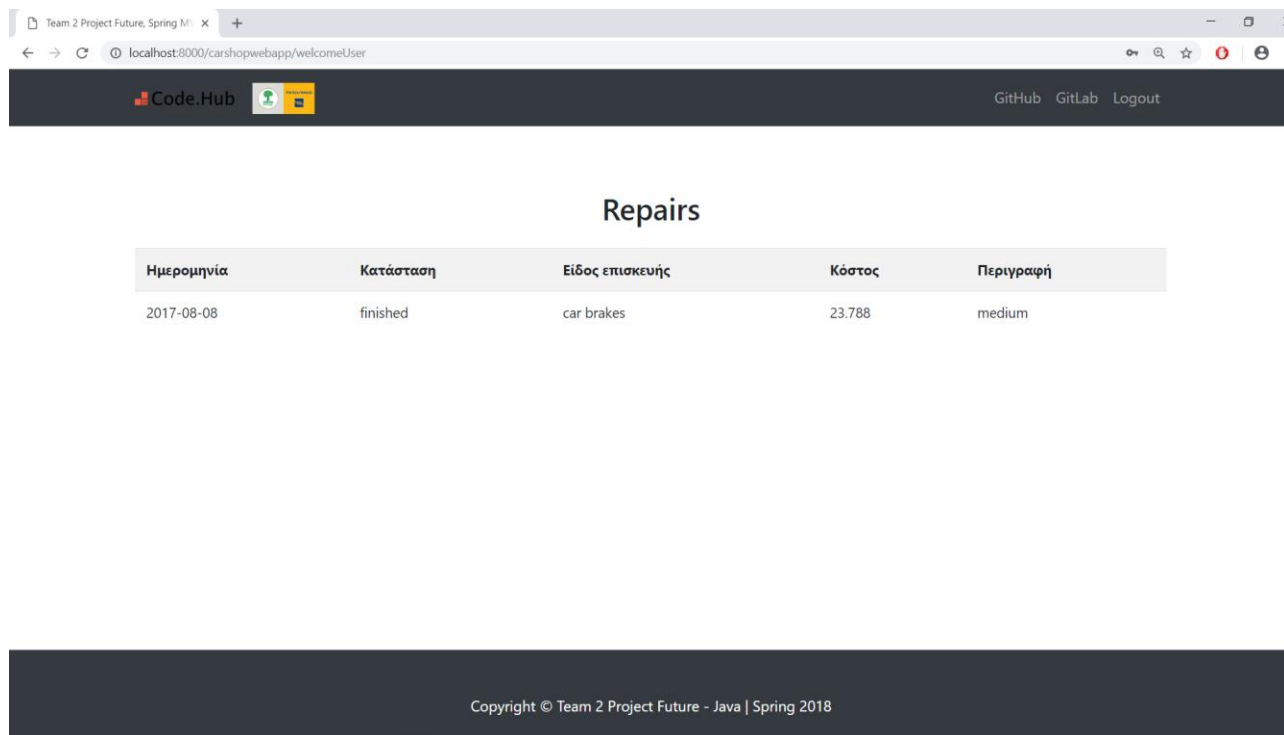


Figure 6 User login Redirect Page for e.g. (username , password) = (ssore1@gmpg.org , pass1234)

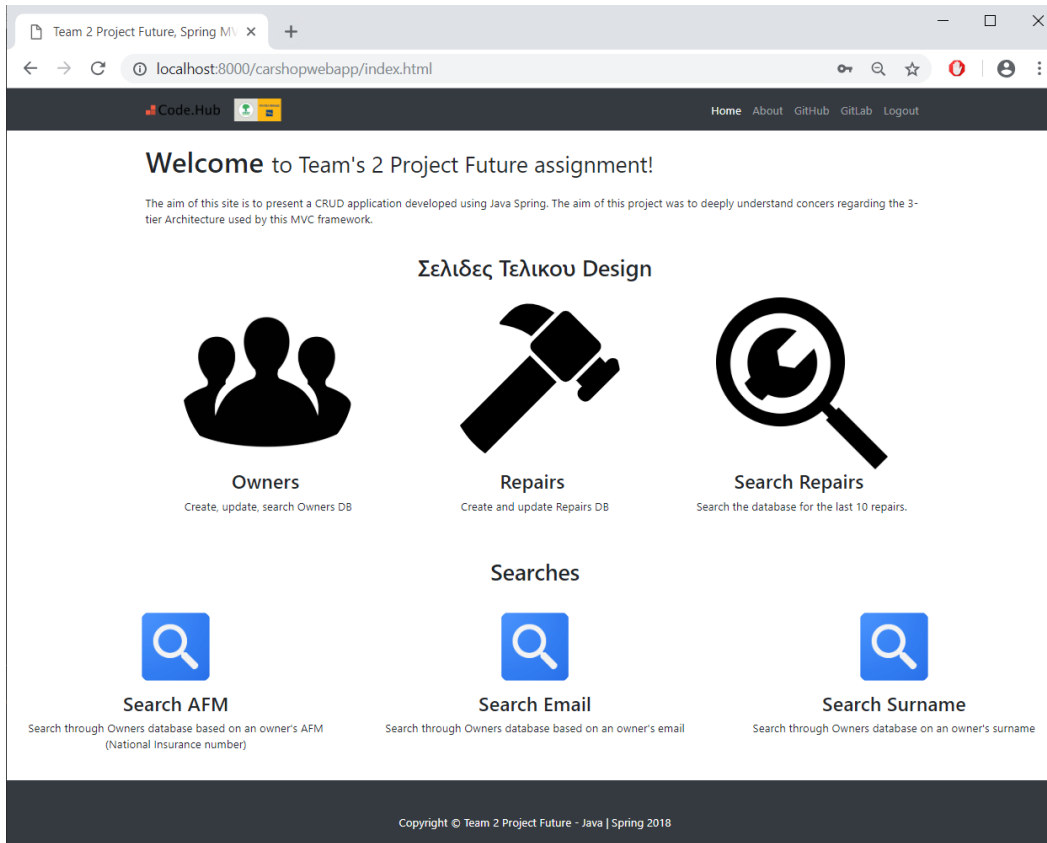


Figure 7 The main(index) page regarding the Admin web interface application. In order to login as an admin use the following credentials: (username , password) = (lrutgers3@ustream.tv, pass1234)

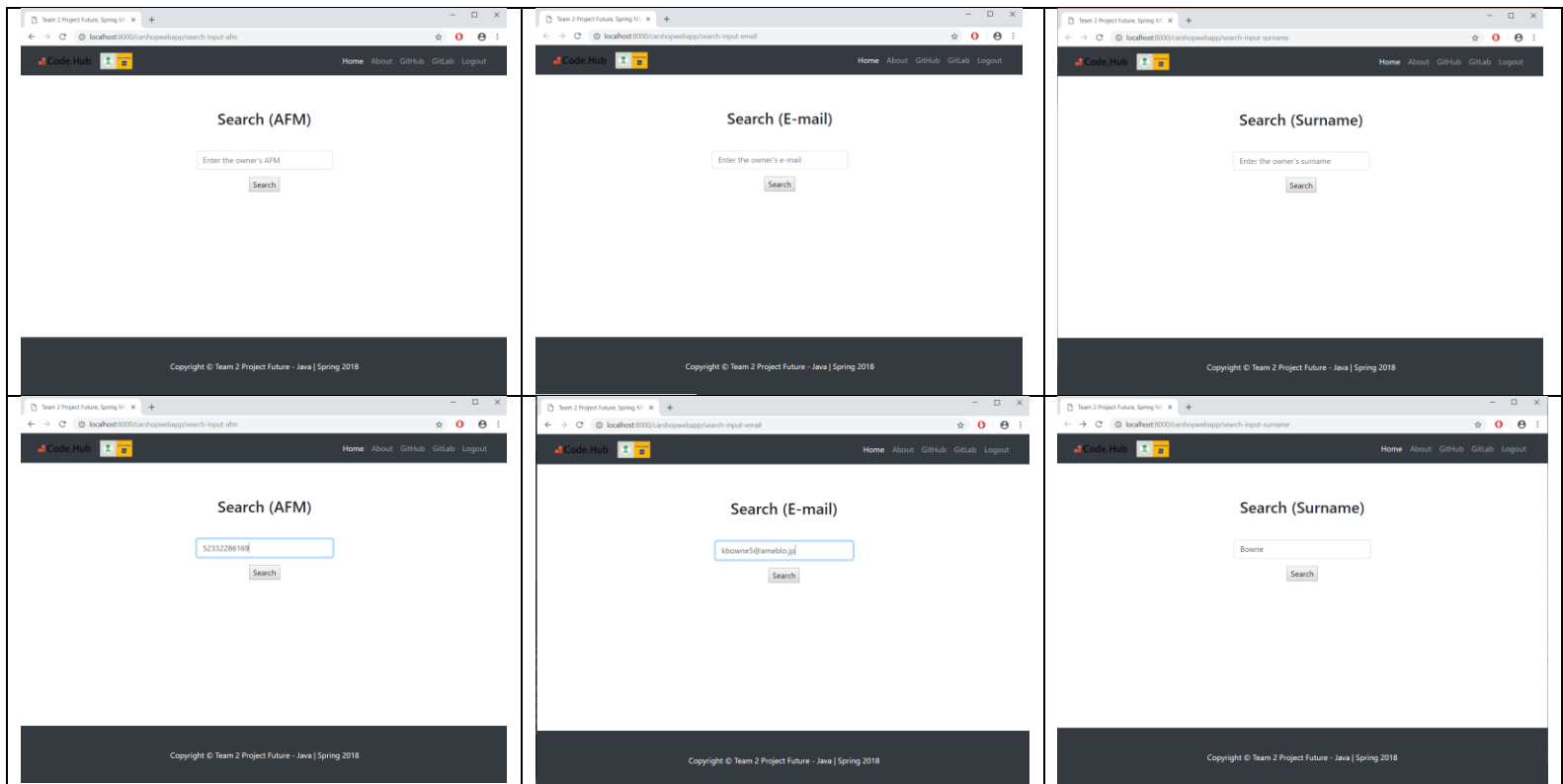


Figure 8 The 3 Search pages : Afm, email, surname regarding the 5<sup>th</sup> record/user of our database

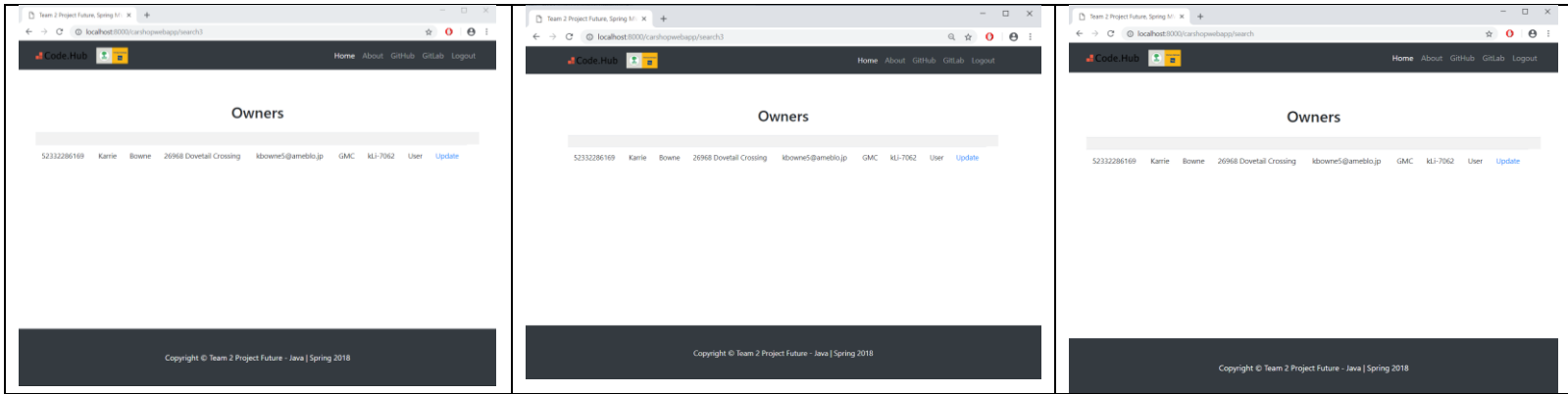


Figure 9 The 3 Search pages Redirection site regarding the 5<sup>th</sup> record/user of our database where 3 different methods invoke upon the same result page (/search1, /search2, /search3)

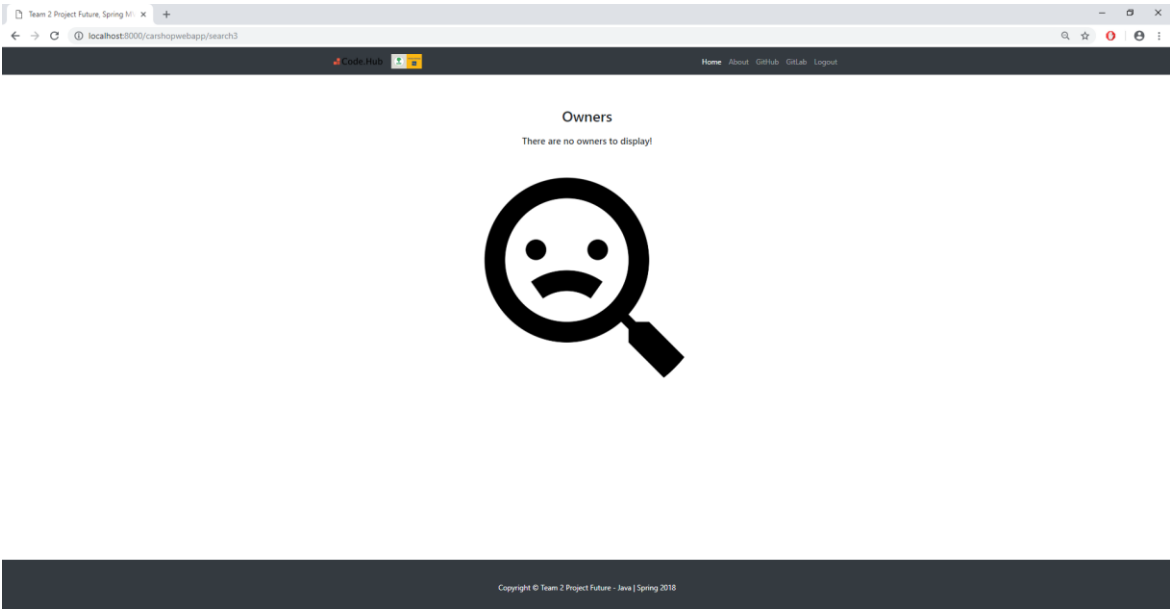


Figure 10 The 3 Search pages Redirection site regarding false input or generally no matched entry

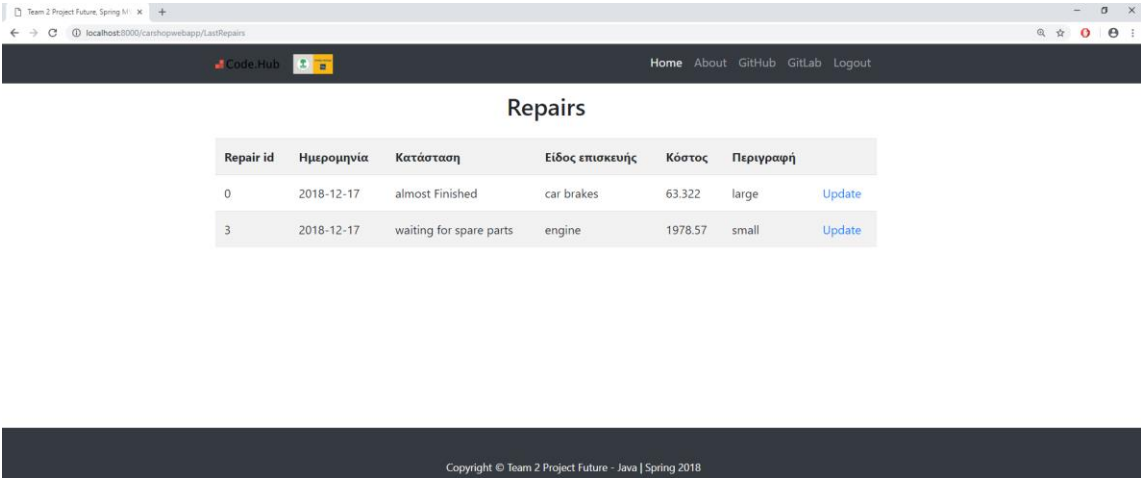


Figure 11 Search Repairs functionality regarding the database entries of 2018-12-17

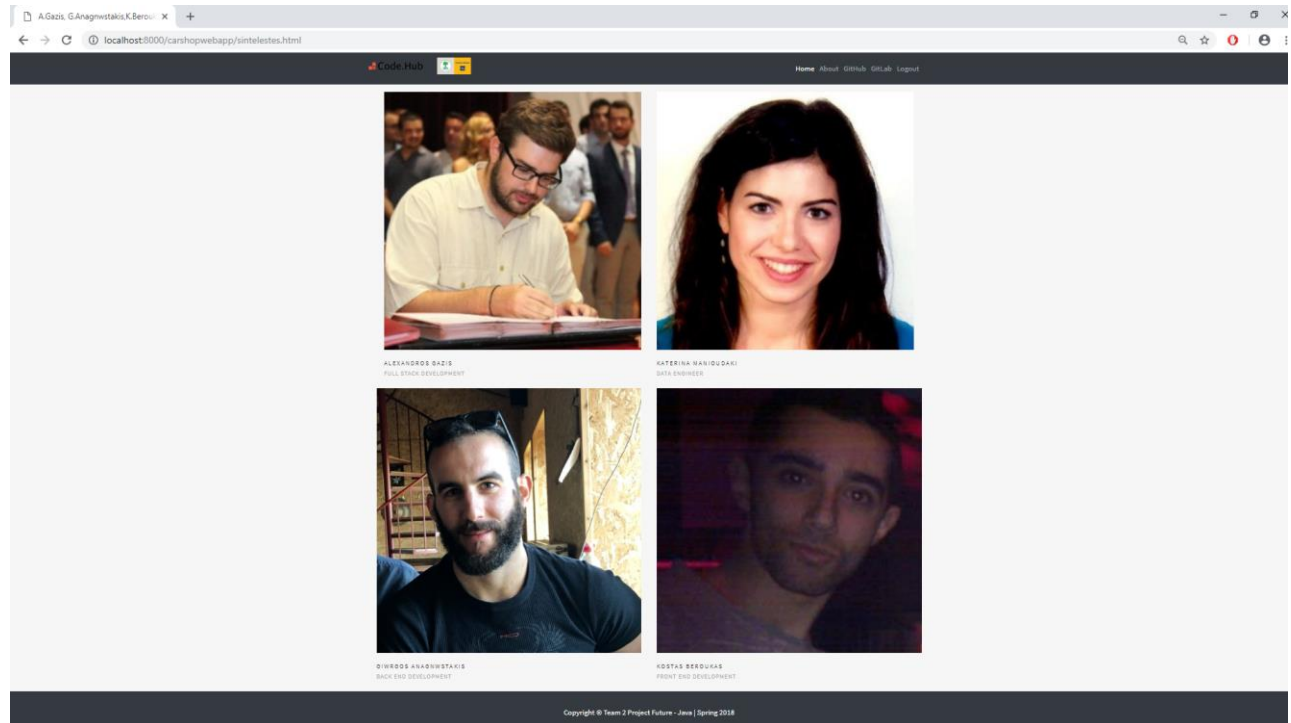


Figure 12 Contributors Page (About Option)

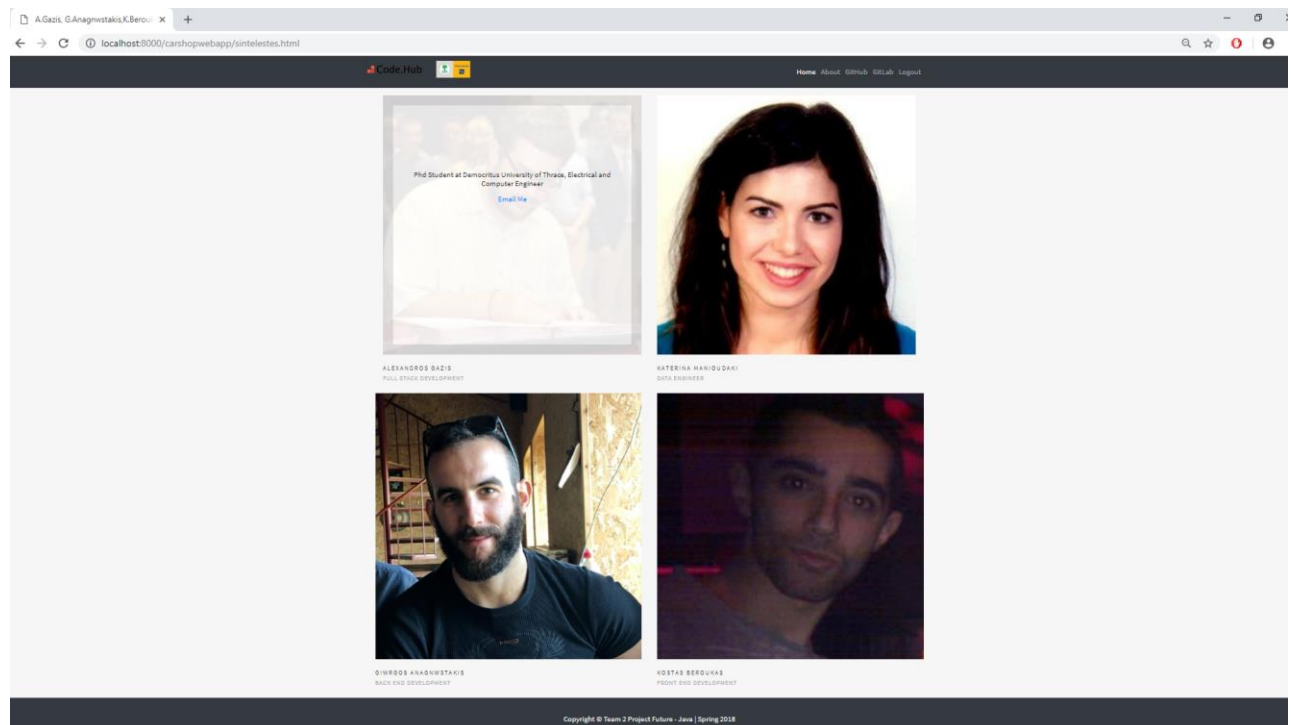


Figure 13 Contributors Page Functionality according to each image (onclick event)

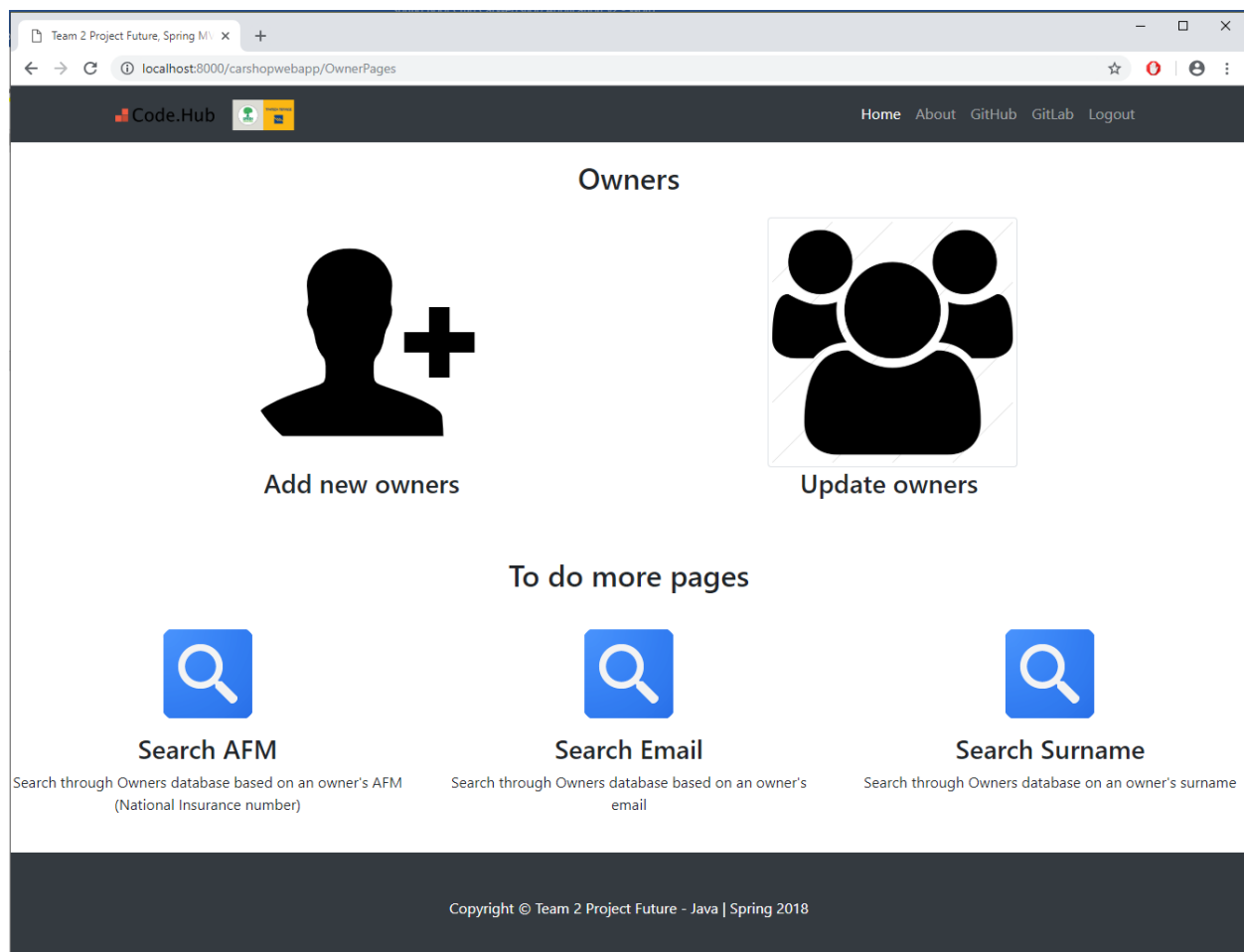


Figure 14 Owner Page of Admin's web interface application

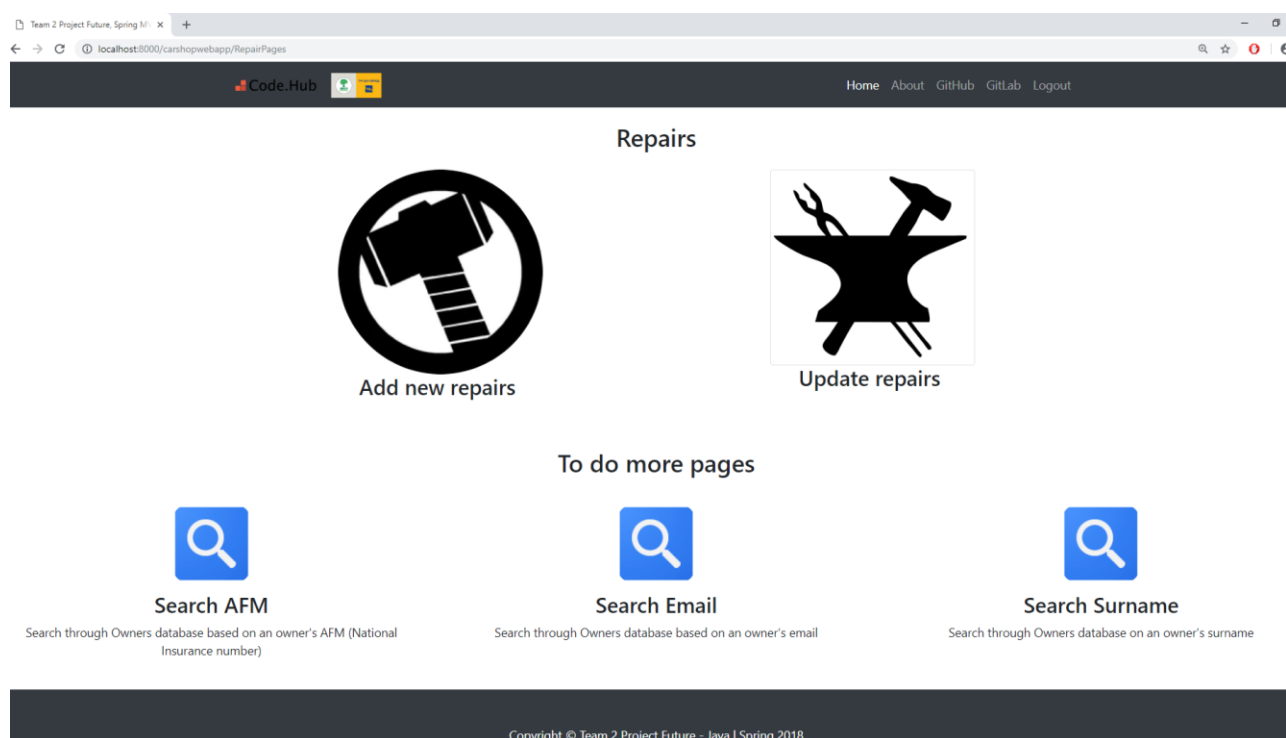


Figure 15 Repair Page of Admin's web interface application



**Create a new owner**

ID  
Enter a valid id

AFM  
Enter a valid AFM number

First Name  
Enter the owner's first name

Last Name  
Enter the owner's last name

Address  
Enter the owner's address

E-mail  
Enter a valid e-mail

Password  
Enter a password

Brand  
Enter a brand

Plate  
Enter a valid plate

User Type  
☒ User
 ☐ Admin

Create new Owner

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Figure 16 Create new entry for the Owner Page of Admin's web interface application

**Owners**

ID	AFM	First Name	Last Name	Address	E-mail	Brand	Plate	
1	11831622466	Selle	Sore	33 Straubel Center	ssore1@gmpg.org	Hyundai	FKS-6528	<a href="#">Update</a> <a href="#">Delete</a>
2	46995592415	Jessamyn	Kew	5694 Boyd Parkway	jkeni2@hc360.com	Toyota	rZk-4114	<a href="#">Update</a> <a href="#">Delete</a>
3	52901060424	Leshia	Rutgers	7691 American Park	lutgers3@ustream.tv	Porsche	tfo-5273	<a href="#">Update</a> <a href="#">Delete</a>
4	28096176806	Johnna	Raw	7 Continental Road	jraw4@auda.org.au	Pontiac	yKJ-7218	<a href="#">Update</a> <a href="#">Delete</a>
5	52332286169	Karrie	Bowme	26968 Dovetail Crossing	kbowne3@ameblo.jp	GMC	kLi-7062	<a href="#">Update</a> <a href="#">Delete</a>
6	99318629386	Sherwynd	Stiff	164 Prentice Pass	sstiff6@wikimedia.org	BMW	CLU-7393	<a href="#">Update</a> <a href="#">Delete</a>
7	57766805186	Mel	Gilardone	38 Northridge Street	mgilardone7@un.org	Mitsubishi	Jrp-3260	<a href="#">Update</a> <a href="#">Delete</a>
8	18735543926	Malorie	Padgham	194 Rockefeller Hill	mpadgham8@dagondesign.com	Mitsubishi	tNw-4476	<a href="#">Update</a> <a href="#">Delete</a>
9	82308623039	Ariella	Gendrich	75 Coleman Point	agendrich9@engadget.com	Suzuki	bMS-6227	<a href="#">Update</a> <a href="#">Delete</a>
10	91137728996	Coop	Trundell	5 Twin Pines Trail	ctrundella@typepad.com	Suzuki	xBH-6792	<a href="#">Update</a> <a href="#">Delete</a>
11	41783186154	Otis	Bendene	30 Magdeline Place	obendeneb@geocities.com	BMW	oMp-4959	<a href="#">Update</a> <a href="#">Delete</a>
12	57979758611	Terrel	Bosley	2 Pawling Avenue	tbosley@comla.org	Chevrolet	inD-9968	<a href="#">Update</a> <a href="#">Delete</a>
13	13259588814	Martguerita	Crammy	2298 Everett Park	mcrammyd@odnoklassniki.ru	Ford	deG-1004	<a href="#">Update</a> <a href="#">Delete</a>
14	60044810425	Willie	Lampert	306 Dorton Drive	wlampert@google.com	Isuzu	Tis-0105	<a href="#">Update</a> <a href="#">Delete</a>
15	85794055327	Yard	O'Meara	76375 Jenna Court	yomeara@cocolog-nifty.com	GMC	MPu-8107	<a href="#">Update</a> <a href="#">Delete</a>
16	92533517970	Ariel	Nijssen	7198 Pine View Circle	anijsseng@github.com	Isuzu	SZe-0594	<a href="#">Update</a> <a href="#">Delete</a>
17	71782761029	Bendick	Mongenoth	6103 John Wall Pass	bmongenoth@bbb.org	Cadillac	AIv-9792	<a href="#">Update</a> <a href="#">Delete</a>
18	61484782039	Ignaz	Paskell	55573 Cordelia Point	ipaskell@shop-pro.jp	Ford	Kyp-8299	<a href="#">Update</a> <a href="#">Delete</a>
19	18242514994	Mord	Beinisch	786 Carpenter Parkway	mbeinisch@prweb.com	Lincoln	YvW-0068	<a href="#">Update</a> <a href="#">Delete</a>
20	29712431337	Jarvis	Scranney	2 Cambridge Point	jscranney@google.pl	Audi	IIZ-5733	<a href="#">Update</a> <a href="#">Delete</a>

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Figure 17 Display Owners page i.e. display all the values of the Owners table from the database

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localhost:8000/carshopwebapp/show/update?id=1

Code.Hub

Home About GitHub Gitter Logout

## Update an existing owner

ID

1

AFM

11831622466

First Name

Selle

Last Name

Sore

Address

33

E-mail

ssore1@gmpg.org

Brand

Hyundai

Plate

FKS-6528

User Type

User

Update Owner

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Figure 18 Owner's Update option regarding the 1<sup>st</sup> entry ( the id is unable to be altered )

Team 2 Project Future, Spring M

localhost:8000/carshopwebapp/deleteOwner?id=20

Code.Hub

Home About GitHub Gitter Logout

## Owners

ID	AFM	First Name	Last Name	Address	E-mail	Brand	Plate		
1	11831622466	Selle	Sore	33 Straubel Center	ssore1@gmpg.org	Hyundai	FKS-6528	<a href="#">Update</a>	<a href="#">Delete</a>
2	46995592415	Jessamyn	Kew	5694 Boyd Parkway	jkes2@hc360.com	Toyota	rZk-4114	<a href="#">Update</a>	<a href="#">Delete</a>
3	52901060424	Leshia	Rutgers	7691 American Park	lrutgers3@ustream.tv	Porsche	rTo-5273	<a href="#">Update</a>	<a href="#">Delete</a>
4	28096176806	Johnna	Raw	7 Continental Road	jraw4@auda.org.au	Pontiac	yKu-7218	<a href="#">Update</a>	<a href="#">Delete</a>
5	52332286169	Karie	Bowme	26968 Dovetail Crossing	kbowme5@ameblo.jp	GMC	kLi-7062	<a href="#">Update</a>	<a href="#">Delete</a>
6	99318629386	Shervynd	Stiff	164 Prentice Pass	ststiff6@wikimedia.org	BMW	CLu-7393	<a href="#">Update</a>	<a href="#">Delete</a>
7	57766805186	Mel	Gillardone	38 Northridge Street	mgillardone7@un.org	Mitsubishi	Jjp-3260	<a href="#">Update</a>	<a href="#">Delete</a>
8	18735543926	Malorie	Padgham	194 Rockefeller Hill	mpadgham8@dagondesign.com	Mitsubishi	tNw-4476	<a href="#">Update</a>	<a href="#">Delete</a>
9	82308623039	Ariella	Gendrich	75 Coleman Point	agendrich9@engadget.com	Suzuki	bMS-6227	<a href="#">Update</a>	<a href="#">Delete</a>
10	91137728996	Coop	Trundell	5 Twin Pines Trail	ctrundelle@typepad.com	Suzuki	xbH-6792	<a href="#">Update</a>	<a href="#">Delete</a>
11	41793186154	Otis	Bendare	30 Magdeline Place	obendareb1@geocities.com	BMW	oMp-4959	<a href="#">Update</a>	<a href="#">Delete</a>
12	57979758611	Ternel	Booley	2 Pauling Avenue	tbooley3@icmla.org	Chevrolet	inD-9968	<a href="#">Update</a>	<a href="#">Delete</a>
13	13259588814	Martguerita	Crammy	2298 Everett Park	mcrammy@odnoklassniki.ru	Ford	deG-1004	<a href="#">Update</a>	<a href="#">Delete</a>
14	60044810425	Willie	Lamperd	306 Dorton Drive	wlamperde@google.com	Isuzu	TtS-0105	<a href="#">Update</a>	<a href="#">Delete</a>
15	85794055327	Yard	O'Meara	76375 Jenna Court	yomearal@cocolog-nifty.com	GMC	MPu-8107	<a href="#">Update</a>	<a href="#">Delete</a>
16	92533517970	Ariel	Nijssen	7198 Pine View Circle	anjissen@github.com	Isuzu	SZz-0594	<a href="#">Update</a>	<a href="#">Delete</a>
17	71782761029	Bendick	Mongenot	6103 John Wall Pass	bmongenoth@bbb.org	Cadillac	AIY-9792	<a href="#">Update</a>	<a href="#">Delete</a>
18	61484782039	Ignaz	Paskell	55575 Cordela Point	ipaskell@shop-pro.jp	Ford	Kyp-8299	<a href="#">Update</a>	<a href="#">Delete</a>
19	18242514994	Mord	Beinisch	786 Carpenter Parkway	mbeinisch@privet.com	Lincoln	YvW-0068	<a href="#">Update</a>	<a href="#">Delete</a>

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Figure 19 Owner's Delete option functionality regarding the 20<sup>th</sup> entry

**Create a new repair**

ID

Enter a valid id

Date (YYYY-MM-DD)

Enter a date

Status

Enter the vehicle's current state

Repair Type

☒ Minor ☐ Major

Cost

Enter the cost (dot separated)

Details

Enter the details of the repair

Create new Repair

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Figure 20 Create new entry for the Repair Page of Admin's web interface application

**Repairs**

Repair id	Date	Status	Repair Type	Cost	Details		
1	2017-08-08	finished	car brakes	23.788	medium	<a href="#">Update</a>	<a href="#">Delete</a>
2	2018-05-11	finished	car brakes	58.062	large	<a href="#">Update</a>	<a href="#">Delete</a>
3	2018-12-17	waiting for spare parts	engine	1978.57	small	<a href="#">Update</a>	<a href="#">Delete</a>
4	2017-03-27	almost Finished	oil change	963.12	large	<a href="#">Update</a>	<a href="#">Delete</a>
5	2018-04-22	finished	engine	670.68	small	<a href="#">Update</a>	<a href="#">Delete</a>
6	2017-11-22	waiting for spare parts	oil change	175	large	<a href="#">Update</a>	<a href="#">Delete</a>
7	2018-04-14	waiting for spare parts	engine	116.35	large	<a href="#">Update</a>	<a href="#">Delete</a>
8	2017-06-15	waiting for spare parts	engine	73.6	large	<a href="#">Update</a>	<a href="#">Delete</a>
9	2018-01-16	waiting for spare parts	oil change	28.296	small	<a href="#">Update</a>	<a href="#">Delete</a>
10	2018-01-12	waiting for spare parts		87.858	medium	<a href="#">Update</a>	<a href="#">Delete</a>
11	2018-04-03	finished	engine	129.493	large	<a href="#">Update</a>	<a href="#">Delete</a>
12	2017-08-01	almost Finished	tires	49.73	small	<a href="#">Update</a>	<a href="#">Delete</a>
13	2017-09-21	finished	tires	1.1199	medium	<a href="#">Update</a>	<a href="#">Delete</a>
14	2017-07-23	almost Finished	oil change	1227.26	medium	<a href="#">Update</a>	<a href="#">Delete</a>
15	2016-10-30	waiting for spare parts		143.656	medium	<a href="#">Update</a>	<a href="#">Delete</a>
16	2017-11-06	almost Finished	engine	16463	small	<a href="#">Update</a>	<a href="#">Delete</a>
17	2017-11-06	waiting for spare parts	oil change	767.2	large	<a href="#">Update</a>	<a href="#">Delete</a>
18	2018-07-06	almost Finished	tires	12.3732	small	<a href="#">Update</a>	<a href="#">Delete</a>
19	2018-03-01	waiting for spare parts	oil change	13756.4	small	<a href="#">Update</a>	<a href="#">Delete</a>
20	2018-12-17	almost Finished	car brakes	63.322	large	<a href="#">Update</a>	<a href="#">Delete</a>
23	2018-12-20	not finished	unknown	171	large	<a href="#">Update</a>	<a href="#">Delete</a>
24	2018-12-20	almost Finished	car brakes	131	medium	<a href="#">Update</a>	<a href="#">Delete</a>
25	2018-12-20	waiting for spare parts	engine	83	large	<a href="#">Update</a>	<a href="#">Delete</a>

Figure 21 Display Repair page i.e. display all the values of the Repair's table from the database (except for the password)

Team 2 Project Future, Spring M: x

localhost:8000/carshopwebapp/showUpdateRepair?id=12

Code.Hub

Home About GitHub GitLab Logout

### Edit an existing repair

ID

12

Date (YYYY-MM-DD)

2017-08-01

Status

almost Finished

Status

tires

Cost

49.73

Owner

the\_owner

Details

small

Create new Repair

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Figure 22 Repair's Update option regarding the 12<sup>th</sup> entry ( the id is unable to be altered )

Team 2 Project Future, Spring M: x

localhost:8000/carshopwebapp/deleteRepair?id=3

Code.Hub

Home About GitHub GitLab Logout

### Repairs

Repair id	Date	Status	Repair Type	Cost	Details		
1	2017-08-08	finished	car brakes	23.788	medium	<a href="#">Update</a>	<a href="#">Delete</a>
2	2018-05-11	finished	car brakes	58.062	large	<a href="#">Update</a>	<a href="#">Delete</a>
4	2017-03-27	almost Finished	oil change	963.13	large	<a href="#">Update</a>	<a href="#">Delete</a>
5	2018-04-22	finished	engine	670.68	small	<a href="#">Update</a>	<a href="#">Delete</a>
6	2017-11-22	waiting for spare parts	oil change	175	large	<a href="#">Update</a>	<a href="#">Delete</a>
7	2018-04-14	waiting for spare parts	engine	116.35	large	<a href="#">Update</a>	<a href="#">Delete</a>
8	2017-06-15	waiting for spare parts	engine	73.6	large	<a href="#">Update</a>	<a href="#">Delete</a>
9	2018-01-16	waiting for spare parts	oil change	28.296	small	<a href="#">Update</a>	<a href="#">Delete</a>
10	2018-01-12	waiting for spare parts		87.858	medium	<a href="#">Update</a>	<a href="#">Delete</a>
11	2018-04-03	finished	engine	129.493	large	<a href="#">Update</a>	<a href="#">Delete</a>
12	2017-08-01	almost Finished	tires	49.73	small	<a href="#">Update</a>	<a href="#">Delete</a>
13	2017-09-21	finished	tires	1.1199	medium	<a href="#">Update</a>	<a href="#">Delete</a>
14	2017-07-23	almost Finished	oil change	1227.26	medium	<a href="#">Update</a>	<a href="#">Delete</a>
15	2016-10-30	waiting for spare parts		143.656	medium	<a href="#">Update</a>	<a href="#">Delete</a>
16	2017-11-06	almost Finished	engine	16483	small	<a href="#">Update</a>	<a href="#">Delete</a>
17	2017-11-06	waiting for spare parts	oil change	767.2	large	<a href="#">Update</a>	<a href="#">Delete</a>
18	2018-07-06	almost Finished	tires	12.3732	small	<a href="#">Update</a>	<a href="#">Delete</a>

Figure 23 Repair's Delete option functionality regarding the 3<sup>rd</sup> entry