Bug report

#1
Title: Country dropdown typo
Area: Home page/Search form
Priority: Low
Description: In the 'Country' dropdown list of countries there is a typo in Germany – it is 'Germainy'.
Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Click dropdown next to 'Country'.

Result:
Visible typo in country name.

#2
Title: Country and city binding
Area: Home page/Search form
Priority: Medium
Description: There should be validation and binding between chosen country and city in search form's dropdowns. While selecting a country, city dropdown should be filter to only show valid cities available in chosen country. Ideally, city dropdown could only be used when country is already selected.
Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Click on the dropdown next to 'Country'.
3. Select a country.
4. Click on the dropdown next to 'City'.

Result:
There are cities available to select outside of selected country.

#3
Title: Present date validation
Area: Home page/Search form
Priority: Medium
Description: There is no validation for past date value set in 'Pick-up date' and 'Drop-off date' – those should validated to be at least present date.
Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Next to `Pick-up date` open calendar icon and select past date (or manually provide past date value).

3. Next to `Drop-off date` open calendar icon and select past date (or manually provide past date value) – AT LEAST date of pick-up or later.

Result:

There is no validation against current date.

#4

Title: Wrong date format and translation of date-picker component

Area: Home page/Search form

Priority: Medium

Description: There is a Polish translation for calendar component in search form – it should be kept in English as the rest of the application. It affects also date format which is different than in the rest of the application.

Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Next to `Pick-up date` open calendar icon.

Result:

Visible Polish translations in the component as well as Polish date format.

#5

Title: Missing model list dropdown

Area: Home page/Search form

Priority: Medium

Description: There should be a dropdown list of car models in database. Right now user has no option or knowledge of the value that should be used in an input – can only guess. Ideally, a list of models could be already filtered to the ones that are available for rent.

Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Click on input next to 'Model'.

Result:

An empty input with no hint what should be expected value.

#6

Title: Price on the same day pick-up and drop-off

Area: Home page/Search results

Priority: High

Description: With selected the same date of pick-up and drop-off, the total price is always zero. There should be either validation on date picker, that would not allow to select the same date for pick-up and drop-off or the price for the same date should be listed the same as the price per day.

Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 01.09.2022.
6. Select 'Drop-off date' as 01.09.2022.
7. Click 'Search' button.

Result:

On search results column 'Price' is always 0$.

#7

Title: Non-working model input

Area: Home page/Search results

Priority: Medium

Description: No matter what is the value in 'Model' input, it doesn't affect the search results.

Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 28.09.2022.
6. Select 'Drop-off date' as 30.09.2022.
7. Click 'Search' button.
8. Now, in 'Model' input type the value 'Mazda 3'.
9. Click 'Search' button again.

Result:

No change in search results, still showing all available models, despite providing a value in 'Model' input.

#8

Title: Seemingly non-working filtering

Area: Home page/Search results

Priority: High

Description: It looks like the only value that is used to filter the results is the `City` as different dates and setting a model (as described in bug #7) have no actual effect on search results – but without actual knowledge of renting dates plan it's just the assumption.

Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.

3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 28.09.2022.
6. Select 'Drop-off date' as 30.09.2022.
7. Click 'Search' button.
8. Change 'Pick-up date' to 10.10.2022.
9. Change 'Drop-off date' as 17.10.2022.
10. Click 'Search' button again.
11. Change 'Country' to 'Poland'.
12. Click 'Search' button again.

Result:

No change in search results after any of the changes made in steps 8, 9 and 11.

#9

Title: Name validation

Area: Home page/Search results/Rent form

Priority: High

Description: It is possible to enter a single digit number (or any number) and special characters in the 'Name' input – should be validated.

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 28.09.2022.
6. Select 'Drop-off date' as 30.09.2022.
7. Click 'Search' button.
8. Click 'Rent' next to any listed result.
9. Click 'Rent!' button.
10. Type the value '1**//;;' in 'Name' input.
11. Type the value 'test' in 'Last name' input.
12. Type the value '1' in 'Card number' input.
13. Type the value 'test@test.com' in 'Email' input.
14. Click 'Rent' button.

Result:

There is no validation against numbers (or even single digit number) and special characters for 'Name' input.

#10

Title: Last name validation

Area: Home page/Search results/Rent form

Priority: High

Description: It is possible to enter a single digit number (or any number) and special characters in the 'Last name' input – should be validated.

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 28.09.2022.
6. Select 'Drop-off date' as 30.09.2022.
7. Click 'Search' button.
8. Click 'Rent' next to any listed result.
9. Click 'Rent!' button.
10. Type the value 'test' in 'Name' input.
11. Type the value '1**//;;' in 'Last name' input.
12. Type the value '1' in 'Card number' input.
13. Type the value 'test@test.com' in 'Email' input.
14. Click 'Rent' button.

Result:

There is no validation against numbers (or even single digit number) and special characters for 'Last name' input.

#11

Title: Not sufficient email validation

Area: Home page/Search results/Rent form

Priority: High

Description: It is possible to enter value that just contains string and @ character in the 'Email' input, without validation that it is actually a valid email address.

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 01.09.2022.
6. Select 'Drop-off date' as 01.09.2022.
7. Click 'Search' button.
8. Click 'Rent' next to any listed result.
9. Click 'Rent!' button.
10. Type the value 'test' in 'Name' input.
11. Type the value 'test' in 'Last name' input.
12. Type the value '1' in 'Card number' input.
13. Type the value 'test@' in 'Email' input.
14. Click 'Rent' button.

Result:

There is no further validation and alert/notification for email if it just contains string and @ character.

#12

Title: Unnecessary console error

Area: Home page

Priority: Low

Description: Console error that is seemingly just plain JavaScript console.error message without any actual error.

```
<script>
    console.error('Cannot fetch latest data')
</script>
```

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Open dev tools console.

Result:

Visible console.error message in console.

#13

Title: Unnecessary console message

Area: Home page/Rent form

Priority: Low

Description: Console message that is seemingly just plain JavaScript console.log message without any actual purpose.

```
<script>
    console.log('lubie placki!!!');
</script>
```

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 01.09.2022.
6. Select 'Drop-off date' as 01.09.2022.
7. Click 'Search' button.
8. Click 'Rent' next to any listed result.
9. Click 'Rent!' button.
10. Open dev tools console.

Result:

Visible console.log message in console.

#14

Title: 'Page not found' on POST rent request

Area: Home page/Rent form

Priority: High

Description: After filling all information about rent there is and '404 Page not found' error code during a POST request.

```
Page not found (404)
Request Method:   POST
Request URL:      http://qalab.pl.tivixlabs.com/rent/1
Raised by:  apps.cars.views.RentCar
Ups cannot redirect to success url

You're seeing this error because you have DEBUG = True in your Django
settings file. Change that to False, and Django will display a standard 404
page.
```

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 01.09.2022.
6. Select 'Drop-off date' as 01.09.2022.
7. Click 'Search' button.
8. Click 'Rent' next to any listed result.
9. Click 'Rent!' button.
10. Type the value 'test' in 'Name' input.
11. Type the value 'test' in 'Last name' input.
12. Type the value '1111' in 'Card number' input.
13. Type the value 'test@test.com' in 'Email' input.
14. Click 'Rent' button.

Result:

Redirected to '404 Page not found' page.

#15

Title: 'KeyError' on POST rent request

Area: Home page/Rent form

Priority: High

Description: After filling all information about rent there is and 'KeyError at /rent/' error during a POST request.

```
Environment:
Request Method: POST
Request URL: http://qalab.pl.tivixlabs.com/rent/1
Django Version: 2.2.5
Python Version: 3.7.3
Installed Applications:
['django.contrib.admin',
 'django.contrib.auth',
```

```
 'django.contrib.contenttypes',
 'django.contrib.sessions',
 'django.contrib.messages',
 'django.contrib.staticfiles',
 'apps.cars',
 'apps.user_tasks']
Installed Middleware:
['django.middleware.security.SecurityMiddleware',
 'django.contrib.sessions.middleware.SessionMiddleware',
 'django.middleware.common.CommonMiddleware',
 'django.middleware.csrf.CsrfViewMiddleware',
 'django.contrib.auth.middleware.AuthenticationMiddleware',
 'django.contrib.messages.middleware.MessageMiddleware',
 'django.middleware.clickjacking.XFrameOptionsMiddleware',
 'apps.user_tasks.middlewares.raise_500_middleware']
Traceback:
File "/usr/lib/python3.7/site-packages/django/core/handlers/exception.py"
in inner
  34.                 response = get_response(request)

File "/usr/lib/python3.7/site-packages/django/core/handlers/base.py" in
_get_response
  115.                    response = self.process_exception_by_middleware(e,
request)

File "/usr/lib/python3.7/site-packages/django/core/handlers/base.py" in
_get_response
  113.                    response = wrapped_callback(request, *callback_args,
**callback_kwargs)

File "/usr/lib/python3.7/site-packages/django/views/generic/base.py" in
view
  71.             return self.dispatch(request, *args, **kwargs)

File "/usr/lib/python3.7/site-packages/django/views/generic/base.py" in
dispatch
  97.          return handler(request, *args, **kwargs)

File "/code/apps/cars/views.py" in post
  143.              dropoff_date=self.request.session['dropoff_date'],

File "/usr/lib/python3.7/site-
packages/django/contrib/sessions/backends/base.py" in __getitem__
  54.          return self._session[key]

Exception Type: KeyError at /rent/1
Exception Value: 'dropoff_date'
```

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 01.09.2022.
6. Select 'Drop-off date' as 01.09.2022.
7. Click 'Search' button.

8. Click 'Rent' next to any listed result.
9. Click 'Rent!' button.
10. Type the value 'test' in 'Name' input.
11. Type the value 'test' in 'Last name' input.
12. Type the value '1111' in 'Card number' input.
13. Type the value 'test@test.com' in 'Email' input.
14. Click 'Rent' button.

Result:
Redirected to 'KeyError' page.

#16
Title: Stylistic change in alert
Area: Home page/Search results/Rent form
Priority: Low
Description: Alert message 'Card number contains wrong chars' should be 'Card number contains wrong characters'.
Steps:
1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 01.09.2022.
6. Select 'Drop-off date' as 01.09.2022.
7. Click 'Search' button.
8. Click 'Rent' next to any listed result.
9. Click 'Rent!' button.
10. Type the value 'test' in 'Name' input.
11. Type the value 'test' in 'Last name' input.
12. Type the value '-1' in 'Card number' input.
13. Type the value 'test@test.com' in 'Email' input.
14. Click 'Rent' button.

Result:
Visible alert message.

#17
Title: Direct navigation to '/rent' and '/details'
Area: Rent Form, Details
Priority: High
Description: It is possible to directly navigate to `/details/id` and `/rent/id` pages, without going through search results. If we clear cookies from previous session then details page will not show any date selected. However, after selecting dates once, it will store them and use later on when trying to directly go to the page. With rent page, with clear cookies it

will not redirect to the page, but once selected any dates, it will later on allow user to go directly to rent page and the dates will be the last selected ones. Both pages shouldn't be available to user as the car might already be rented and still user will be able to navigate to its rent page.

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Clear any cookies on the website.
3. Refresh.
4. Navigate to http://qalab.pl.tivixlabs.com/details/4.
5. Navigate to http://qalab.pl.tivixlabs.com/rent/4.
6. Select 'France' in 'Country' dropdown.
7. Select 'Paris' in 'City' dropdown.
8. Leave 'Model' input empty.
9. Select 'Pick-up date' as 01.09.2022.
10. Select 'Drop-off date' as 01.09.2022.
11. Click 'Search' button.
12. Navigate to http://qalab.pl.tivixlabs.com/details/4.
13. Navigate to http://qalab.pl.tivixlabs.com/rent/4.

Result:

Before the dates selection, details page doesn't show any dates and user cannot directly go to rent page. However, after searching results even once, the dates are stored in the session and user can directly go into the pages and the dates will be provided as the last ones selected.

#18

Title: 'Too big load' exception

Area: Home page/Search results/Rent form

Priority: High

Description: During sending POST rent request and GET details request from time to time there is an exception:

```
Exception at /rent/1
Too big load
Request Method:    POST
Request URL:       http://qalab.pl.tivixlabs.com/rent/1
Django Version:    2.2.5
Exception Type:    Exception
Exception Value:
Too big load
Exception Location:    /code/apps/user_tasks/middlewares.py in middleware,
line 10
Python Executable:     /usr/bin/python3.7
Python Version:    3.7.3
Python Path:
['/code',
 '/usr/bin',
 '/usr/lib/python37.zip',
 '/usr/lib/python3.7',
```

```
 '/usr/lib/python3.7/lib-dynload',
 '/usr/lib/python3.7/site-packages']
Server time:       Fri, 30 Sep 2022 13:27:48 +0000

Exception at /details/1
Too big load
Request Method:   GET
Request URL:      http://qalab.pl.tivixlabs.com/details/1
Django Version:   2.2.5
Exception Type:   Exception
Exception Value:
Too big load
Exception Location:     /code/apps/user_tasks/middlewares.py in middleware,
line 10
Python Executable:      /usr/bin/python3.7
Python Version:   3.7.3
Python Path:
['/code',
 '/usr/bin',
 '/usr/lib/python37.zip',
 '/usr/lib/python3.7',
 '/usr/lib/python3.7/lib-dynload',
 '/usr/lib/python3.7/site-packages']
Server time:       Fri, 30 Sep 2022 13:28:00 +0000
```

Steps:

1. Navigate to home page (http://qalab.pl.tivixlabs.com).
2. Select 'France' in 'Country' dropdown.
3. Select 'Paris' in 'City' dropdown.
4. Leave 'Model' input empty.
5. Select 'Pick-up date' as 01.09.2022.
6. Select 'Drop-off date' as 01.09.2022.
7. Click 'Search' button.
8. Click 'Rent' next to any listed result.
9. Click 'Rent!' button.
10. Type the value 'test' in 'Name' input.
11. Type the value 'test' in 'Last name' input.
12. Type the value '-1' in 'Card number' input.
13. Type the value 'test@test.com' in 'Email' input.
14. Click 'Rent' button.

Result:

Unfortunately the steps are not guaranteed to cause the exception on first try as it seems to be random.

#19

Title: 500 Internal Server Error

Area: Application

Priority: High

Description: Sometimes loading any page on application causes error code 500.

Sorry, we could not load:

http://qalab.pl.tivixlabs.com/?country=3&city=4&model=&pickup=2022-10-10&dropoff=2022-10-17

500 - Internal Server Error (text/html)

Steps:

Unfortunately, there are no clear steps to cause the exception. It seems random while loading any page.

Result:

-