

## Task 1

- Go to <https://auto.drom.ru/>
  - Go to advanced search, a search form will appear
  - Take a screenshot of the form and label each element what it is called. For example, checkbox, radio-button, etc.
- The point of the assignment is that you need to know the names of all the elements of the forms

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The screenshot shows a complex search form with various input types. The elements are numbered as follows:

- 1: Make (Make) dropdown
- 2: Price (Price) input
- 3: Price (Price) input
- 4: Volume (Volume) input
- 5: Volume (Volume) input
- 6: Car body type (Car body type) dropdown
- 7: Documents (Documents) dropdown
- 8: Additional options (Additional options) group containing checkboxes for "InoMark", "Report to GIBDD", "Drom Assistant", "Certification", and "Exchange possible"
- 9: Model (Model) dropdown
- 10: Year (Year) input
- 11: Year (Year) input
- 12: Transmission (Transmission) dropdown
- 13: Color (Color) dropdown
- 14: Damage (Damage) dropdown
- 15: Power (Power) input
- 16: Power (Power) input
- 17: Seller (Seller) dropdown
- 18: Generation (Generation) dropdown
- 19: KPP (KPP) dropdown
- 20: Fuel (Fuel) dropdown
- 21: Not sold (Not sold) checkbox
- 22: With photo (With photo) checkbox
- 23: Steering wheel (Steering wheel) dropdown
- 24: Mileage (Mileage) input
- 25: Mileage (Mileage) input
- 26: Without mileage in Russia (Without mileage in Russia) checkbox

Element name	Number on the screenshot
Checkbox	8, 13, 21, 22, 26
Radio-button	17, 23
Single line input field	27 (keyword field)
Autocomplete	1, 9
Combobox	2, 3, 15, 16, 24, 25

"All", "Used cars", "New" - tabs (tabs)

"+" - allows you to add duplicate elements "Make", "Model" and "Generation". Type - button

"Keywords" - one-line text field

Drop-down list (single selection) - 4, 5, 7, 10, 11, 12, 14, 20

Drop-down list (multiple selections) - 6, 18, 19

Normal search - removes some elements of the form. Type - button

Show - button type with CSS style

Any - reset button. Type - button

## Task 2

<https://auto.drom.ru/>

- Analyse the form from the previous assignment and write out the logic behind its operation. What are the dependencies between the elements?
- Perhaps something is being reset when something else is selected. something else. Maybe something appears when something else is selected.
- You'll need to find and write out all such rules.

Take into consideration the button-link "Advanced search" too.

The point of the assignment is to develop the ability to understand the logic of the program's behavior without having the task description in hand.

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1. After selecting a value in the "Brand" field, the "Model" field changes from locked to unlocked status
2. After selecting a value in the "Model" field, the "Generation" field changes from locked to unlocked state.
3. When you click on the "Add brand, model selection row" button, the fields "Brand", "Model" and "Generation" are added to the general form.
4. When entering inverse values in the "from" and "to" fields and sending them further, these values are automatically swapped out.
5. The "any" element is responsible for selecting all possible colours. You can select any colour values, but some groups of colours cannot be selected individually.
6. When switching from the "CU" tab to the "New" tab, such elements as: "Documents", "Mileage", "Steering wheel", "Damage", "Seller". Also, only the "foreign cars" option remains in the "additional" checkbox

7. The "Reset all" element leads all elements on all tabs to the initial state, i.e. all changes made by the user are deleted.
8. When the "Any" button is pressed, all the colours selected by the user up to that point are reset
9. The "Foreign car" heading is active only if nothing is selected in the "Brand" field

### Task 3

Create XML and JSON files that describe a list of countries with cities

- There should be 3-5 countries in the document, for them there should be the following data: name in Russian, name in English, country code, currency code and a list of 2-3 cities of this country
- For each city it will be necessary to specify the name in Russian, English and population

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(This task was done in files `countriesXML.xml` and `countriesJSON.json` of this repository in the block "Other necessary stuff")