



Saptamana 2

Partea 2

Programare Front-End

3. Forms and Inputs

HTML – Formulare, Tipuri de campuri – Forms & Inputs

- un formular in HTML se defineste folosind tag-urile open / closing `<form>` -- *continut formular* -- `</form>`
- continutul unui formular este constituit din diferite tipuri de elemente si campuri (*input*) precum:
 - select, option, label, textarea, button, etc...
 - *Inputs: text, number, password, color, date, e-mail, month, search, url, checkbox, radio button, submit button, reset, etc...*

HTML – Formulare – Elemente

select

```
<select name="cursuri" multiple>
  <option value="java">Java</option>
  <option value="python">Python</option>
  <option value="cplusplus">C++</option>
  <option value="javascript">JavaScript</option>
</select>
```

textarea

```
<textarea name="mesaj" rows="10" cols="30">
  Va rugam nu dormiti la cursuri
</textarea>
```

button

```
<button
  type="button"
  onclick="alert('Hello World!')"
>
  Apasa aici
</button>
```

HTML – Formulare – Inputs

text

```
<form>
  Nume: <input type="text" name="nume">
  <br>
  Prenume: <input type="text" name="prenume">
</form>
```

submit

```
<form action="/url-trimite-re-formular">
  Nume: <input type="text" name="nume">
  <br>
  Prenume: <input type="text" name="prenume">
  <br>
  <input type="submit" value="Trimite">
</form>
```

password

```
<form>
  Nume de utilizator:<br>
  <input type="text" name="nume">
  <br>
  Parola:<br>
  <input type="password" name="parola">
</form>
```

HTML – Formulare, Tipuri de campuri – Forms & Inputs

text

```
<form action="/ruta-trimitere-formular">
  Nume:<br>
  <input
    type="text"
    name="nume"
    value="Ionescu"
  ><br>
  Prenume:<br>
  <input
    type="text"
    name="prenume"
    value="Ion Ion"
  ><br><br>
  <input
    type="submit"
    value="Trimite"
  >
  <input type="reset">
</form>
```

radio

```
<form>
  <input
    type="radio"
    name="autoturism"
    value="audi"
    checked
  >Audi<br>
  <input
    type="radio"
    name="autoturism"
    value="bmw"
  >Bmw<br>
  <input
    type="radio"
    name="autoturism"
    value="ford"
  >Ford
</form>
```

HTML – Formulare, Tipuri de campuri – Forms & Inputs

checkbox

```
<form>
  <p>Cu ce te deplasezi la serviciu?</p>
  <input
    type="checkbox"
    name="vehicul1"
    value="Bicicleta"
  >Bicicleta<br>
  <input
    type="checkbox"
    name="vehicul2"
    value="Masina"
  >Masina
</form>
```

button

```
<input
  type="button"
  onclick="alert('Hello World!')"
  value="Apasa aici"
>
```

color

```
<form>
  Selecteaza culoarea favorita:
  <input type="color" name="culoare">
</form>
```

HTML – Formulare, Tipuri de campuri – Forms & Inputs

date

```
<form>
  Zi de nastere:
  <input type="date" name="zi-de-nastere">
</form>
```

```
<form>
  Introduceti o data inainte de 1980-01-01:
  <input
    type="date"
    name="data1"
    max="1979-12-31"
  ><br>
  Introduceti o data dupa 2000-01-01:
  <input
    type="date"
    name="data2"
    min="2000-01-02"
  ><br>
</form>
```

datetime-local

```
<form>
  Zi de nastere si ora:
  <input
    type="datetime-local"
    name="datasioranasterii"
  >
</form>
```

month

```
<form>
  Selectati luna si anul expirarii cardului:
  <input type="month" name="expcard">
</form>
```


HTML – Formulare, Tipuri de campuri – Forms & Inputs

file

```
<form>
  Selectati un fisier:
    <input
      type="file"
      name="myFile"
    >
</form>
```

number

```
<form>
  Cantitate
  <input
    type="number"
    name="quantity"
    min="1"
    max="5"
  >
</form>
```

range

```
<form>
  <input
    type="range"
    name="nota"
    min="0"
    max="10"
  >
</form>
```

email

```
<form>
  E-mail:
  <input type="email" name="email">
</form>
```

HTML – Formulare, Tipuri de campuri – Forms & Inputs

search

```
<form>  
  Search Google:  
  <input type="search" name="googlesearch">  
</form>
```

tel

```
<form>  
  Telefon:  
  <input type="tel" name="telefon">  
</form>
```

week

```
<form>  
  Selectati saptamana:  
  <input type="week" name="saptamana-si-anul">  
</form>
```

time

```
<form>  
  Selectati timpul:  
  <input type="time" name="timp-utilizator">  
</form>
```

url

```
<form>  
  Pagina de Facebook:  
  <input type="url" name="homepage">  
</form>
```

HTML – Formulare, Tipuri de campuri – Labels and Placeholders

```
<form>  
  <label for="persoana">Person:</label>  
  <input type="text" name="persoana" id="persoana" placeholder="Nume persoana">  
</form>
```

Curious about today's cookie ?

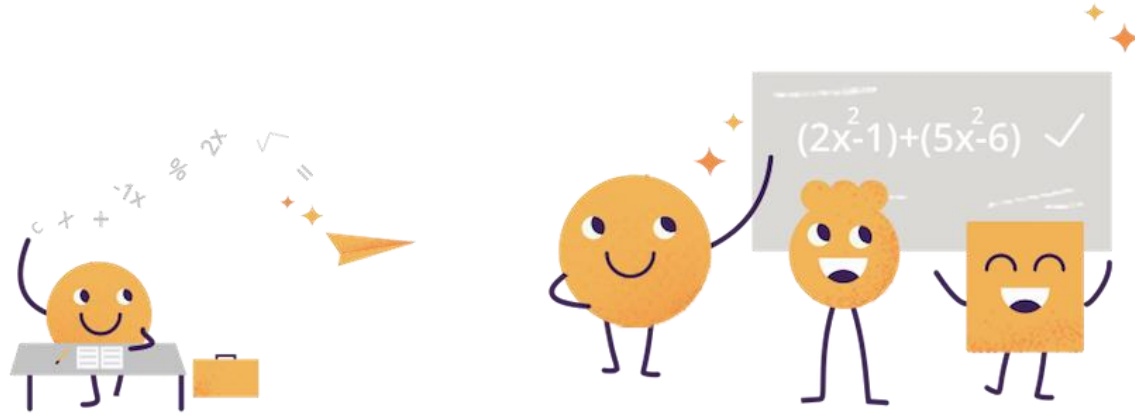


SEO – Search Engine Optimization

Fiecare motor de cautare - *search engine* - se bazeaza pe niste algoritmi de cautare. Acesti algoritmi iau in considerare mai multi factori precum viteza de incarcare a paginii, elementele HTML folosite si continutul text al unei pagini web, *link*-urile interne, *link*-urile externe, imaginile si multe altele. Toti acesti factori contribuie la clasarea paginii web intr-un anumit top, *ranking*. Toate aceste date sunt colectate de catre niste roboti - *crawlers* - pentru care partea vizuala a unui website nu exista, nu "o vad", ei citesc doar continutul HTML. Spre exemplu, ei nu pot sa vada imaginile sau video-urile din cadrul unei aplicatii, ei pot doar sa vada ca exista in momentul in care intalnesc tag-uri precum `` sau `<video></video>`.



PRACTICE: HTML Forms and Inputs



Exercitii html

1. create form element
2. create input type text field
3. add required field
4. create radio buttons
5. create checkboxes
6. create submit button
7. check radio buttons and checkboxes by default
8. nest elements within single div

Gender

☐ Male ☐ Female ☐ Both

First name

Last name

Email

Phone number

Password

City

☐ I agree to the [terms and conditions](#)

Sign up

Reset form

HOMEWORK:

HTML Elements and Attributes – Exercitii

Cerinte:

1. *Creati un formular HTML care sa includa urmatoarele campuri: Nume, Prenume, Sex, Varsta, Tara, Oras, Adresa, Cod postal, E-mail, Mesaj, Atasare CV, Buton de trimitere si Buton de resetare. Numele, prenumele si e-mail-ul sunt campuri obligatorii. Varsta trebuie sa fie cuprinsa intre 18 si 85 de ani. Setati o valoare initiala pentru cel putin 3 dintre campuri.*

HOMEWORK:

HTML Elements and Attributes – Exercitii

Cerinte:

1. Creati structura HTML pentru urmatorul formular:

Travel reservation form

*** denotes mandatory**

Full name*:

Email address*:

Select Tour Package* :

Arrival date*:

Number of persons*:

What would you want to avail?*

Boarding ☐

Fooding ☐

Sight seeing ☐

Discout Coupon code:

Terms and conditions*

☒ I agree ☐ I disagree

HOMework:

HTML Elements and Attributes – Exercitii

Cerinte:

1. *Creati structura HTML pentru urmatorul formular:*

Search for:

Match: ☐ Any word ☒ All words ☐ Exact phrase

☒ Sound-alike matching

Dated: ☐ Within the last year

☒ From: ,

To: ,

Within:

Show: results with

Sort by:

HOMEWORK:

HTML Elements and Attributes – Exercitii

Cerinte:

1. *Creati structura HTML pentru urmatorul formular:*

My feedback form

- Name:
- Email:
- Password:
- Please check all the emotions that apply to you:
 - Angry ☒
 - Sad ☐
 - Happy ☐
 - Ambivalent ☐
- How satisfied were you with our service?
 - Very satisfied ☒
 - Satisfied ☐
 - Didn't care ☐
 - Dissatisfied ☐
 - Very dissatisfied ☐
- Further comments:
- Bio photo:
- Location visited:
-