

установка ангуляра: `npm install -g @angular/cli`

создание приложения: `ng new my-first-app`

запуск приложения: `ng serve --open`

создать компонент: `ng generate component main`

запуск Django: `python manage.py startapp pages`

`python manage.py migrate`

`python manage.py makemigrations`

В `app.module.ts`

```
import { RouterModule, Routes } from '@angular/router';
import { BrowserModule } from '@angular/platform-browser';
import { HttpClientModule } from '@angular/common/http';
import { AppRoutingModuleModule } from './app-routing.module';

const appRoutes: Routes = [
  { path: 'form', component: MainComponent },
  { path: '', redirectTo: '/form', pathMatch: 'full' }
];
imports: [
  HttpClientModule,
  RouterModule.forRoot(
    appRoutes,
    { enableTracing: true } // <-- debugging purposes only
  ),
  BrowserModule,
  FormsModule,
  AppRoutingModuleModule
],
```

В html коде `app.component.html`

```
<router-outlet></router-outlet>
```

Component

```
<!doctype html>
<html lang="en">

<head>
  <meta charset="UTF-8">
```

```

    <meta name="viewport" content="width=device-width, user-scalable=no, initial-
scale=1.0, maximum-scale=1.0, minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet" href="/src/app/main/main.component.css">
    <title>Document</title>
</head>

<body>
    <a href="/">На главную</a>
    <h3>Работа с формой</h3>
    <p>У формы атрибут action="/engine.php" - куда отправляем - если не указывать
, то сюда же</p>
    <p>У формы атрибут method="POST" - отправляем POST (GET параметры передаются
в урле)</p>
    <form action="/post.php" method="POST">
        <div class="block-input">
            <label for="myname">Имя:</label>
            <input type="text" name="name" id="myname" [(ngModel)]="name" />
        </div>

        <select name="kurs" [(ngModel)]="kurs">
            <option value="1">Первый</option>
            <option value="2">Второй</option>
            <option value="3">Третий</option>
            <option value="4">Четвертый</option>
        </select>

        <div class="block-input">
            <label>Пол:</label>
            <input type="radio" name="gender" value="М" id="male" checked [(ngMod
el)]="isMale"><label for="male">Мужчина</label>
            <input type="radio" name="gender" value="Ж" id="female" [(ngModel)]="
isFemale"><label for="female">Женщина</label>
            <br>
            <small>(имеют одинаковые name="gender")</small>
        </div>

        <div class="block-input">
            <input type="checkbox" name="pass" id="me_checkbox" [(ngModel)]="chec
k">
            <label for="me_checkbox">Я все сдам</label>
        </div>

        <div class="block-input">
            <label for="comment">Есть что сказать в свое оправдание?</label><br>
            <textarea name="comment" id="comment" rows="3" [(ngModel)]="area"></t
extarea>
        </div>

        <!-- Кнопка активации формы-->

```

```

        <input type="submit" (click)="login(name, kurs, isFemale, isMale, check,
area)">
    </form>
</body>

</html>

```

```

form {
    border: 1px solid black;
    width: 500px;
    padding: 10px;
}

```

```

form input {
    display: block;
}

```

```

form input,
select,
.block-input {
    margin: 20px 5px;
}

```

```

form .block-input input {
    display: inline;
    margin: 5px;
}

```

```

import { Component, OnInit } from '@angular/core';
import { HttpClient } from '@angular/common/http';
import { Router } from '@angular/router';

```

```

@Component({
    selector: 'app-main',
    templateUrl: './main.component.html',
    styleUrls: ['./main.component.css'],
    providers: [HttpClient]
})

```

```

export class MainComponent implements OnInit {
    name: string = "";
    kurs: string = "";
    isMale: string = "";
    isFemale: string = "";
    check: boolean = false;
    area: string = "";
    constructor(private http: HttpClient, private router: Router) { }
}

```

```

ngOnInit() {
}

login(name: string, kurs: string, isFemale: string, isMale: string, check: boolean, area: string) {
  console.log(name, kurs, isFemale, isMale, check, area)
  const body = {name, kurs, isFemale, isMale, check, area};
  console.log(body)
  this.http.post('http://localhost:5000/api/1.0/account/authorize', body, {withCredentials: true}).subscribe(
    (data) => {
      if(data == 'ok'){
        this.router.navigate(['/']);
        console.log("-----")
        // this.getCookie("token");
        console.log("DONE")
      }
      console.log(data)
    });
}

// getCookie(name: string) {
//   var value = "; " + document.cookie;
//   var parts = value.split("; " + name + "=");
//   if (parts.length == 2) {
//     console.log(parts.pop().split(";").shift())
//     return parts.pop().split(";").shift();
//   }
// }
// }

}

```

```

pip install flask

```

```

from flask import Flask
app = Flask(__name__)
from app import routes

```

```

from app import app
@app.route('/')
@app.route('/index')
def index():

```

```
return "Hello, World!"
```

```
flask run
```

```
from flask import Flask, redirect, url_for, request
from re import *
import json

app=Flask(__name__)

@app.route("/")
def home():
    return "<html><form Action='http://localhost:5000/e_mail' Method=get><input
type=text size=20 name = name><input type = submit value='Knopka'></form></html>"

@app.route("/e_mail", methods=['GET'])
def e_mail():
    data = request.args

    # data in string format and you have to parse into dictionary
    data = request.data
    dataDict = json.loads(data)

    if not request.json:
        abort(400)
    print (request.json)
    return json.dumps(request.json)

    pattern = compile('(^|\s)[-a-z0-9_.]+@([-a-z0-9]+\.)+[a-z]{2,6}(\s|$)')
    is_valid = pattern.match(data['name'])
    result = "Введенная строка не является почтой!"
    if(is_valid):
        result = "Введенная строка является почтой!"
    return result

@app.route('/login', methods = ['POST', 'GET'])
def login():
    if request.method == 'POST':
        user = request.form['nm']
        return redirect(url_for('success',name = user))
    else:
        user = request.args.get('nm')

        content = request.json
        print (content['mytext'])

        return redirect(url_for('success',name = user))

if __name__ == "__main__":
    app.run(debug = True)
```

