

WP, vježbe 07, 2025./2026.

1. Inicijalizirati Angular aplikaciju (odabrati SCSS za stil)
2. Dodati Ng Bootstrap
3. Dodati Bootstrap Icons i Vollkorn font u `styles.scss`
4. Definirati varijablu `styles.scss`: `$primary: #339c66;`
5. `ng generate component nav companies`
6. Unijeti NavComponent i CompaniesComponent u `imports` od AppComponent.
7. `nav.component.html`:

```
<nav class="navbar navbar-expand-lg bg-light navbar-light">
  <div class="container">
    <a class="navbar-brand text-primary" href="#">
      <i class="bi bi-graph-up-arrow me-2"></i>
      <strong>Company Explorer</strong>
    </a>
  </div>
</nav>
```

8. `nav.component.scss`:

```
.navbar {
  box-shadow: 0px 0px 3px #212529;
}
```

9. `app.component.html`:

```
<app-nav></app-nav>

<div class="container mt-5">
  <app-companies></app-companies>
</div>
```

10. Iskopirati niz kompanija iz `copy.txt` u tijelo `CompaniesComponent`. Svakome zapisu dodati atribut `id` (zasad samo broj od `0` do `9`).

11. Inicijalizirati formatter iz `copy.txt` u tijelo `CompaniesComponent`.

12. companies.component.html:

```
<table class="table">
  <thead>
    <tr>
      <th scope="col">Company name</th>
      <th scope="col">Nr. of employees</th>
      <th scope="col">Market cap.</th>
      <th scope="col" class="text-center">Country</th>
      <th scope="col" class="text-center">Remove</th>
    </tr>
  </thead>

  <tbody>
    @for(company of companies; track company.id) {
      <tr>
        <td class="align-middle">{{ company.name }}</td>
        <td class="align-middle">{{ company.employees }}</td>
        <td class="align-middle">
          {{ formatter.format(company.marketCap) }}
        </td>
        <td class="align-middle text-center">
          <img [src]="generateFlagUrl(company.countryCode)"
            alt="" width="32" height="32">
        </td>
        <td class="align-middle text-center">
          <button class="btn btn-outline-danger w-75"
            (click)="removeById(company.id)">
            <i class="bi bi-trash3"></i>
          </button>
        </td>
      </tr>
    }
  </tbody>
</table>
```

13. Generiranje URL-a slike zastave države i uklanjanje zapisa dodati u tijelo `CompaniesComponent`:

```
generateFlagUrl(countryCode: string) {
  return `https://flagsapi.com/${countryCode}/flat/64.png`;
}

removeById(id: number) {
  this.companies = this.companies.filter(company => company.id !== id);
}
```

14. Ako dodatno želimo svaki redak tablice staviti u zasebnu komponentu:

```
ng generate component CompanyRow
```

15. company-row.component.html:

```
<td class="align-middle">{{ company()?.name }}</td>
<td class="align-middle">{{ company()?.employees }}</td>
<td class="align-middle">{{ formatter_wrapper(company()?.marketCap) }}</td>
<td class="align-middle text-center">
    <img [src]="generateFlagUrl(company()?.countryCode)"
          alt="" width="32" height="32">
</td>
<td class="align-middle text-center">
    <button class="btn btn-outline-danger w-75"
           (click)="triggerDelete.emit(company()?.id)">
        <i class="bi bi-trash3"></i>
    </button>
</td>
```

16. company-row.component.ts:

```
import { Component, input, output } from '@angular/core';
import { Company } from '../companies/companies.component';

@Component({
  selector: '[app-company-row]',
  imports: [],
  templateUrl: './company-row.component.html',
  styleUrls: ['./company-row.component.scss']
})
export class CompanyRowComponent {

  // Create our number formatter.
  formatter = new Intl.NumberFormat('en-US', { ... });

  formatter_wrapper(v: any) {
    if (v) return this.formatter.format(v);
    else return "$ 0"
  }

  company = input<Company | null>(null);

  triggerDelete = output<number | undefined>();
}
```

```
generateFlagUrl(countryCode: string | undefined) {
  if (countryCode)
    return `https://flagsapi.com/${countryCode}/flat/64.png`;
  else return "";
}
```

17. Unijeti CompanyRowComponent u `imports` od CompaniesComponent

18. Selektor CompanyRowComponent je namjerno postavljen na `[app-company-row]`, a ne na `app-company-row` kako se sama oznaka ne bi stvorila unutar DOM-a jer se u suprotnom pokida Bootstrap styling

19. Zbog takvog selektora ćemo na sljedeći način inicijalizirati CompanyRowComponent komponente u `companies.component.html`:

```
@for(company of companies; track company.id) {
  <tr app-company-row
      [company]="company"
      (triggerDelete)="removeById($event)">
  </tr>
}
```

20. Novi signature `removeById(id: number | undefined)` u CompaniesComponent.

21. Gotovo