



# Mangol

Térképet gyorsan, egyszerűen

– avagy hová fejlődött az **ng2ol3** –

# Mi az a Mangol?

M – Material

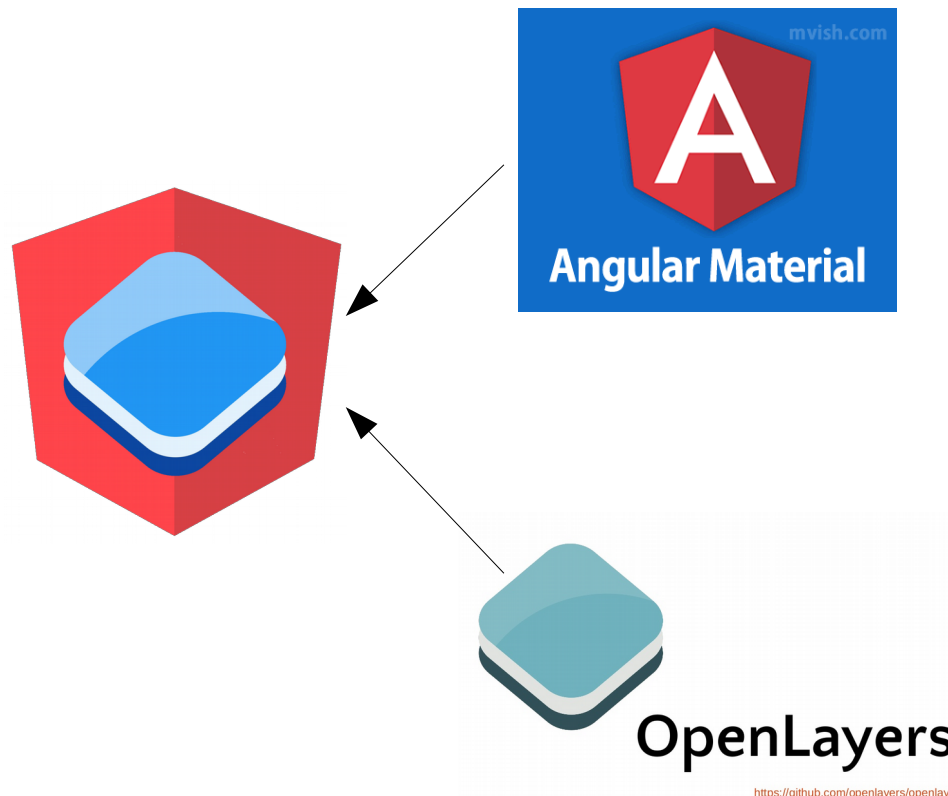
A

N – Angular

G

O – OpenLayers

L



# Cél

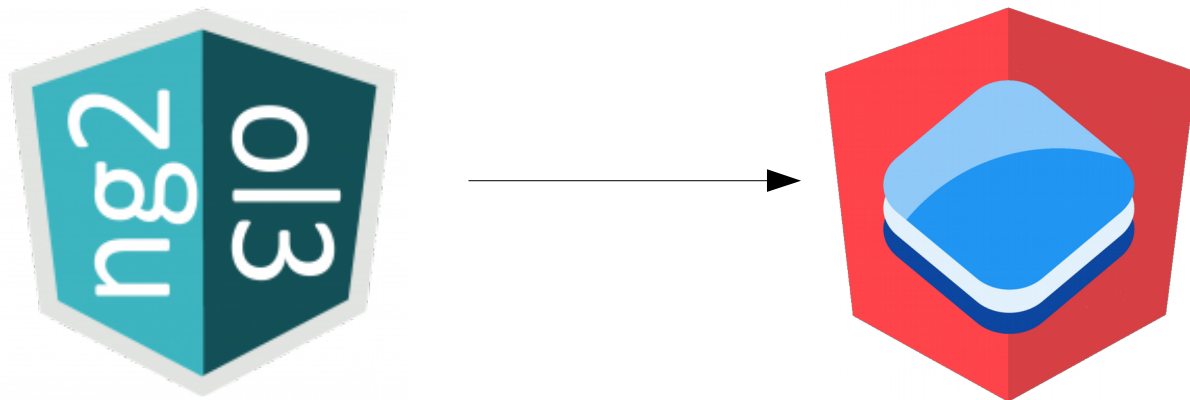
## Webes térképes GUI

- Térkép-alkalmazás könnyen, gyorsan előállítható legyen
- Ne igényeljen (speciális) programozói ismereteket
- Legyen egyszerűen konfigurálható
- Legyen továbbfejleszthető

# ng2ol3

Mangol elődje

Funkcionalitás & testreszabhatóság sokat bővült



# 1. Beágyazás

<mangol></mangol>



```
import { Component, OnInit } from '@angular/core';
import MangolConfig from 'mangol/src/lib/interfaces/mangol-config.interface';
import MangolReady from 'mangol/src/lib/interfaces/mangol-ready.interface';

@Component({
  selector: 'app-root',
  template: `
    <mangol [config]="mangolConfig" (mapReady)="onMapReady($event)"></mangol>
  `
})
export class AppComponent implements OnInit {

  // This is the config of your app
  mangolConfig: MangolConfig;

  ngOnInit() {
    this.mangolConfig = {
      sidebar: {
        collapsible: true,
        opened: true,
        toolbar: {
          layertree: {},
          measure: {
            fillColor: [255, 255, 0, 0.2]
          },
          print: {}
        }
      }
    };
  }

  onMapReady(event: MangolReady) {
    console.log('My Mangol app is up and running!');
    console.log(event);
    // You can do anything from here, e.g. set the first layer's opacity
    event.mapService.getMaps()[0].getLayers().getArray()[0].setOpacity(0.2);
  }
}
```

## 2. Konfigurálás

Egyetlen JavaScript objektum

Helper interface segítségével  
gyorsan, elgépelés nélkül

```
import { Component, OnInit } from '@angular/core';
import MangolConfig from 'mangol/src/lib/interfaces/mangol-config.interface';
import MangolReady from 'mangol/src/lib/interfaces/mangol-ready.interface';

@Component({
  selector: 'app-root',
  template: `
    <mangol [config]="mangolConfig" (mapReady)="onMapReady($event)"></mangol>
  `
})
export class AppComponent implements OnInit {

  // This is the config of your app
  mangolConfig: MangolConfig;

  ngOnInit() {
    this.mangolConfig = {
      sidebar: {
        collapsible: true,
        opened: true,
        toolbar: {
          layertree: {},
          measure: {
            fillColor: [255, 255, 0, 0.2]
          },
          print: {}
        }
      }
    };
  }

  onMapReady(event: MangolReady) {
    console.log('My Mangol app is up and running!');
    console.log(event);
    // You can do anything from here, e.g. set the first layer's opacity
    event.mapService.getMaps()[0].getLayers().getArray()[0].setOpacity(0.2);
  }
}
```

# 3. Továbbfejlesztés

Kimenet tartalmazza a konfigurációt és a térkép objektumot (ol.Map)

```
import { Component, OnInit } from '@angular/core';
import MangolConfig from 'mangol/src/lib/interfaces/mangol-config.interface';
import MangolReady from 'mangol/src/lib/interfaces/mangol-ready.interface';

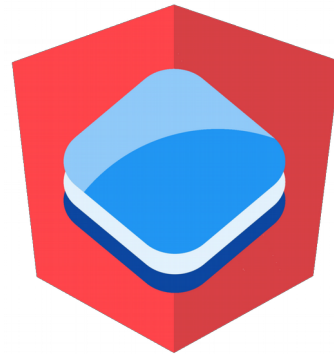
@Component({
  selector: 'app-root',
  template: `
    <mangol [config]="mangolConfig" (mapReady)="onMapReady($event)"></mangol>
  `
})
export class AppComponent implements OnInit {

  // This is the config of your app
  mangolConfig: MangolConfig;

  ngOnInit() {
    this.mangolConfig = {
      sidebar: {
        collapsible: true,
        opened: true,
        toolbar: {
          layertree: {},
          measure: {
            fillColor: [255, 255, 0, 0.2]
          },
          print: {}
        }
      }
    };
  }

  onMapReady(event: MangolReady) {
    console.log('My Mangol app is up and running!');
    console.log(event);
    // You can do anything from here, e.g. set the first layer's opacity
    event.mapService.getMaps()[0].getLayers().getArray()[0].setOpacity(0.2);
  }
}
```

demo





# Térkép

```
map: {  
  renderer: 'canvas',  
  target: 'my-mangol-map',  
  view: {  
    projection: 'EPSG:900913',  
    center: ol.proj.fromLonLat([19.395639, 47.168466], 'EPSG:900913'),  
    zoom: 7,  
    zoomDuration: 500  
  },  
  controllers: {...}  
  layertree: {...}  
}
```

# Térképi kontrollerek

```
controllers: {  
  mousePosition: {},  
  scaleLine: {},  
  quickSearch: {  
    placeholder: 'City search',  
    items: [{  
      text: 'Budapest',  
      details: 'Capital of Hungary',  
      extent: [2108491, 6010126, 2134556, 6039783]  
    }]  
  },  
  fullScreen: {}  
}
```

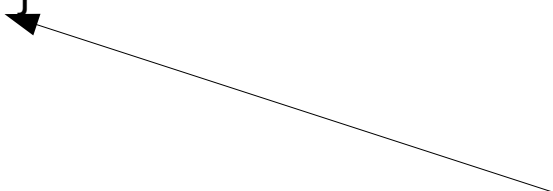
# Térképi rétegek, réteg csoportok

```
layertree: {  
  layers: [],  
  groups: [{  
    name: 'Base layers',  
    description: 'Customizable layergroup description',  
    children: {  
      layers: [{  
        name: 'OpenStreetMap layer',  
        description: 'Awesome free streetmap',  
        visible: true,  
        opacity: 1,  
        queryable: false,  
        layer: new ol.layer.Tile({  
          source: new ol.source.OSM()  
        })  
      }],  
      groups: []  
    }  
  }  
}
```

# Oldalsáv

```
sidebar: {  
  collapsible: true,  
  opened: true,  
  mode: 'side',  
  toolbar: { ... }  
}
```

```
{  
  active: true,  
  disabled: false,  
  fontSet: 'ms',  
  fontIcon: 'ms-layers',  
  title: 'My Custom Layertree'  
}
```



# Rétegfá toolbar

```
layertree: {  
  isAccordionMulti: true,  
  details: {  
    opacity: {  
      sliderStep: 1,  
      showLabels: true  
    }  
  }  
}
```

# Elem lekérdezés toolbar

```
featureinfo: {  
  maxFeatures: 10,  
  cursorStyle: 'crosshair',  
  placeholder: 'Select query layer',  
  zoomOnRowClick: true,  
  highlightFeatures: true,  
  hoverStyle: [new ol.style.Style({  
    fill: new ol.style.Fill({  
      color: [255, 255, 0, 0.5]  
    }),  
    stroke: new ol.style.Stroke({  
      color: [255, 255, 0, 1],  
      width: 5  
    })  
  })]  
}
```

# Térképi mérések toolbar

```
measure: {  
  cursorStyle: 'crosshair',  
  fillColor: [255, 255, 0, 0.2],  
  strokeColor: [33, 150, 243, 0.8],  
  textColor: [33, 150, 243, 1],  
  textOutlineColor: [255, 255, 255, 0.8],  
  font: 'normal 14px Arial'  
}
```

# Térkép nyomtatás toolbar

print: { }



# Statisztikák

Nov 27, 2016 – Nov 23, 2017

Contributions: Commits ▾

Contributions to master, excluding merge commits



Unwatch ▾ 8
★ Star 27
🍴 Fork 16

fegyi001 published 51 minutes ago

0.7.9 is the latest of 82 releases

[github.com/fegyi001/mangol](https://github.com/fegyi001/mangol)

MIT

Collaborators [list](#)



Stats

530 downloads in the last day

1 679 downloads in the last week

4 293 downloads in the last month

3 open issues on GitHub

No open pull requests on GitHub