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Angular Advanced
Short recap day #1

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Day 1: Evaluation

- *Vanuit Ilionx: Carin, Jorik, Fer, Stefan, Tawwab*
- Aandachtspunten:

1. Betere interactie met aanwezigen
   - Wil je je camera aanzetten? (beter dan een box met je naam, meer persoonlijk gevoel bij de deelnemers)
   - Maak gebruik van de chatbox en microfoon
   - Recording om later terug te kijken – nodig?
2. Breakout rooms – Overleggen in kleine groepjes, behoefte aan?
3. Alternatieve data? 20-21 april is ver weg. Overige opties:
   - 7 april (dinsdag)
   - 8 april (woensdag)
   - 9 april (donderdag)
   - 15 april (woensdag)
   - 16 april (donderdag)

Recap day 1: Architecture

- NG applications with multiple modules
  - Using multiple modules in your app
  - Modules and the router
- Lazy loading modules
  - `PreloadAllModules &` Custom Loading strategies
- Content Projection
  - `<ng-content select="…">`

Configuring the router

```
let routerConfig: ExtraOptions = {
  enableTracing: true
  preloadingStrategy: PreloadAllModules
};

@NgModule({
  imports: [RouterModule.forRoot(routes, routerConfig)],
  exports: [RouterModule]
})
```

Routing events are actually Observables.

Which means we can subscribe! And do something like:

```
this.router.events
    .subscribe(event =>{
      console.log(' router event: ', event);
  })
```

(Don’t forget to inject router:

`constructor(private router: Router) {   }`)

Or, in a more reactive way of programming:

```
this.router.events.pipe(
    filter(event => event instanceof NavigationEnd),
    map(...),
    . ...
  ).subscribe(event => {
      console.log(' router event: ', event
});
```

Handle events as desired - logging, setting variables, updating state, …

Agenda - 4 nights - Thematic

- Day 1: Architecture
  - Composing Applications with multiple modules
  - Routing and lazy loading modules
  - Loading Strategies
  - Advanced components
- Day 2: Observables
  - Observables from scratch, more operators
  - Examples (typeahead, fetching data from multiple sources)

Wrap up

- Creating observables from scratch
- Working with streams
- Operators
    - `map(), mapTo()`
    - `filter()`
    - `concat()`
    - `scan()`
    - `merge(), mergeMap(), switchMap(),…`
- Working with http-requests

Next up

- Day 3: State Management
  - State management with `@ngrx/store`
  - Concepts – actions, dispatchers, reducers, store
  - Payload, complex types
- Day 4: Enterprise applications
  - Working with monorepo's, Angular CLI
  - More on Angular Schematics

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See you then!

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