



Angular Advanced short recap – day #1



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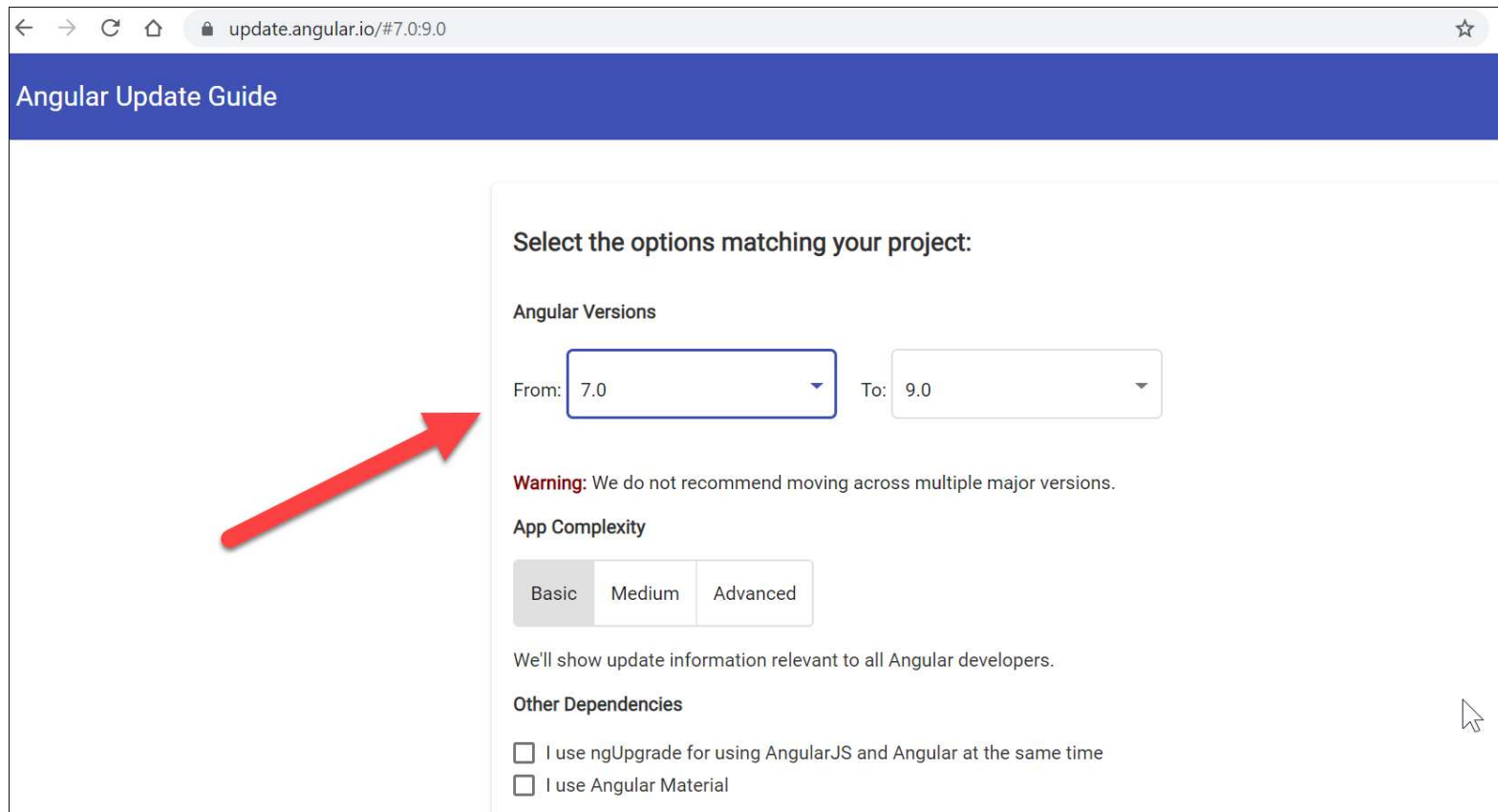


Recap day 1: **Architecture**

- Angular CLI – general **Architecture**
 - Flags, Components, Services, Modules.
- NG applications with multiple **modules**
 - Using multiple modules in your app
 - Modules and the router
- **Lazy loading** modules
 - `PreloadAllModules`
 - Custom Loading **strategies**
 - Multiple / Nested router outlets
- **Content projection & Smart/View Components**

On ng update

- DON'T try to update over **major versions** (e.g. from NG 9 → NG 12)

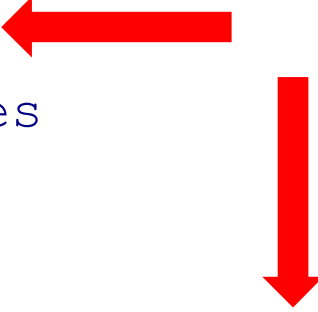


The screenshot shows the 'Angular Update Guide' website. The browser's address bar displays 'update.angular.io/#7.0:9.0'. The page has a blue header with the title 'Angular Update Guide'. The main content area contains a form titled 'Select the options matching your project:'. Under the 'Angular Versions' section, there are two dropdown menus: 'From: 7.0' and 'To: 9.0'. A large red arrow points to the 'From: 7.0' dropdown. Below this, a warning message states: 'Warning: We do not recommend moving across multiple major versions.' Under the 'App Complexity' section, there are three buttons: 'Basic', 'Medium', and 'Advanced'. Below this, a note says: 'We'll show update information relevant to all Angular developers.' Under the 'Other Dependencies' section, there are two checkboxes: 'I use ngUpgrade for using AngularJS and Angular at the same time' and 'I use Angular Material'.

<https://update.angular.io/>

Configuring the router

```
let routerConfig: ExtraOptions = {  
  enableTracing: true  
  preloadingStrategy: PreloadAllModules  
};  
  
@NgModule({  
  imports: [RouterModule.forRoot(routes, routerConfig)],  
  exports: [RouterModule]  
})
```

Two red arrows originate from the right side of the code. One arrow points horizontally to the left, towards the 'routerConfig' variable in the 'RouterModule.forRoot' call. The other arrow points vertically downwards, towards the 'routerConfig' variable in the 'RouterModule.forRoot' call.

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, ...

Questions?

Agenda - 2 days- Thematic

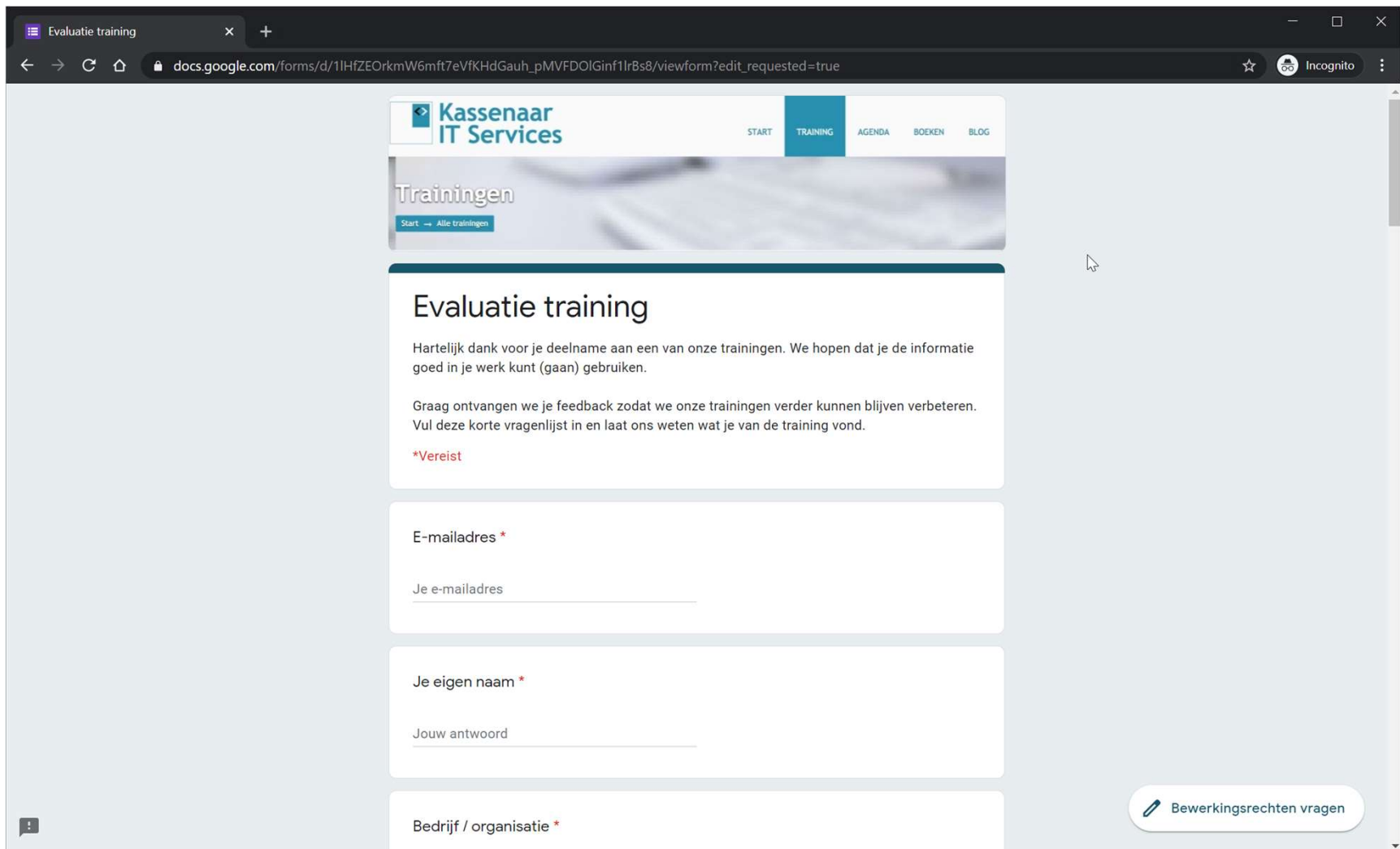


- Day 2: **Miscellaneous**
 - **Observable** design pattern, operators
 - Angular **Monorepos / micro-apps**
 - **Intro State Management** - @ngrx/store
 - **Testing** – introduction & options
 - Angular monorepo's /micro frontends?
 - Publishing Angular libraries to NPM
 - Creating custom Angular Schematics
- Wrap-up/eval & goodbye

Wrap up

- Angular CLI tips & tricks
- NG applications with multiple modules
 - Routing and Lazy loading modules
 - Loading strategies
- Smart/View Components
- Content projection
- Observable design pattern, `async pipe`
- Monorepos
- Managing state with `@ngrx/store`
- Testing

www.kassenaar.com/eval



The screenshot shows a web browser window with the title 'Evaluatie training'. The address bar shows the URL: docs.google.com/forms/d/1IHfZEOrkmW6mft7eVfKHdGauh_pMVFDOLGinF1lRbs8/viewform?edit_requested=true. The browser is in Incognito mode. The page header features the Kassenaar IT Services logo and navigation links: START, TRAINING (active), AGENDA, BOEKEN, and BLOG. Below the header is a banner for 'Trainingen' with a link 'Start → Alle trainingen'. The main content area is titled 'Evaluatie training' and contains the following text:

Hartelijk dank voor je deelname aan een van onze trainingen. We hopen dat je de informatie goed in je werk kunt (gaan) gebruiken.

Graag ontvangen we je feedback zodat we onze trainingen verder kunnen blijven verbeteren. Vul deze korte vragenlijst in en laat ons weten wat je van de training vond.

***Vereist**

E-mailadres *

Je e-mailadres

Je eigen naam *

Jouw antwoord

Bedrijf / organisatie *

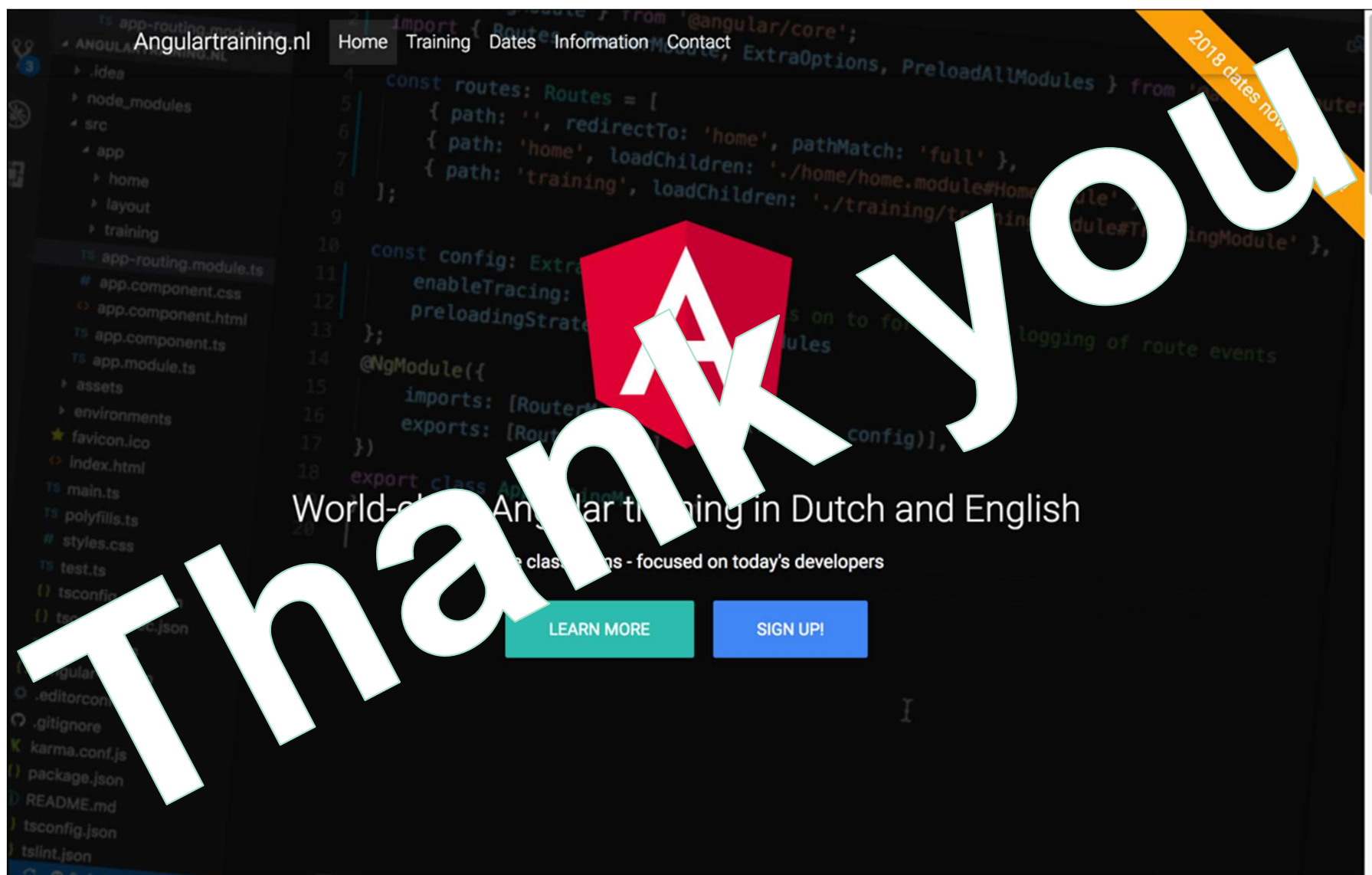
In the bottom right corner, there is a button labeled 'Bewerkingsrechten vragen' with a pencil icon.

Let's connect...

LinkedIn profile page for Peter Kassenaar. The page shows the following sections:

- Header:** LinkedIn logo, search bar, navigation icons (Home, My Network, Jobs, Messaging, Notifications, Me), and a "Try Premium for Free" button.
- Education:** "duursporten (lopen, zwemmen, fietsen, roeien, schaatsen). Laatste jaar in combinatie met studie Bewegingswetenschappen, Rijksuniversiteit Groningen (RUG). See more education ▾"
- Featured Skills & Endorsements:** (Circled in red) This section lists skills with endorsements:
 - Teaching** · 3: Youri Pattynama and 2 connections have given endorsements for this skill
 - TypeScript** · 3: Youri Pattynama and 2 connections have given endorsements for this skill
 - Angular** · 2: Momen El Kamri and 1 connection have given endorsements for this skillLink: "See 26 more skills ▾"
- Recommendations:** "Ask to be recommended" button.
- Right Sidebar:** "Add new profile section" button and "Messaging" status.

<https://www.linkedin.com/in/peterkassenaar/>



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