

User Navigation between Views



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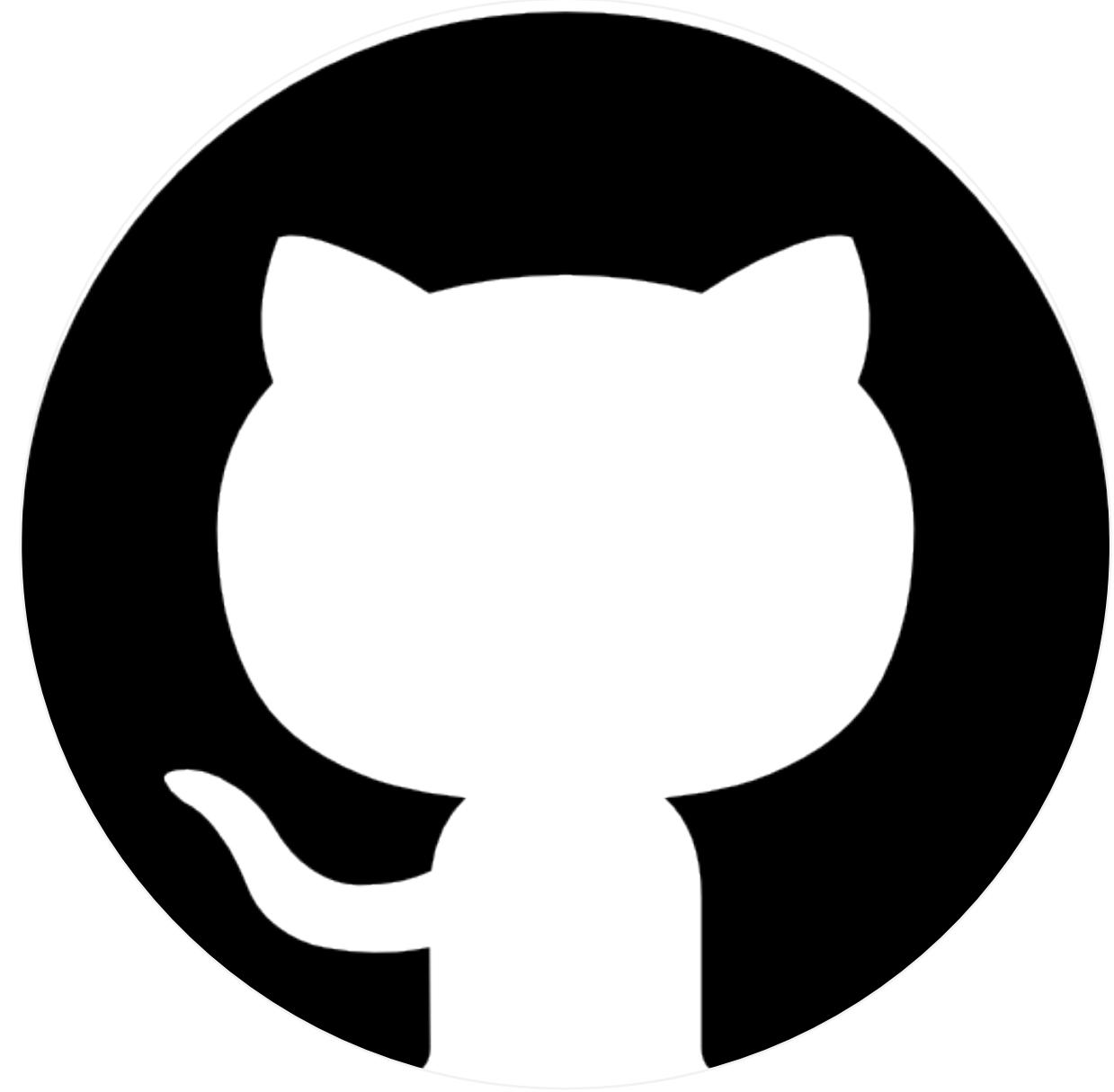
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What We Will Cover in This Module



Using the RouterLink directive in templates
Adding active style using RouterLinkActive
Navigating from class files using RouterService



Repository for Module Five

github.com/lara-newsom/angular-routing-course

- module-five-start

Handle events close to where they happen

RouterLink Directive

Included in the RouterModule

**Needs directly imported
into standalone components**

Accepts a link parameters array



Link Parameters Array

**Holds the path of the router
to the routed component**

Can accept path parameters

Can accept optional parameters

Path Segments

Static strings

Dynamic values

Separated by commas

**Concatenated with
forward slashes**

Path Segment Prefixing



Absolute Path: Adds path segments starting at the base url



Relative Path: Adds path segments relative to the current active route

Relative Path: No slash adds path segments to the current active route



Relative Path: Goes up one level relative to the current active route

**Use relative paths whenever
possible to avoid large
refactors if the parent url
structure changes**

Best Practice

**Define constant route tokens instead of
using static strings across the application.**

Demo

Add RouterLinks to template elements

DEMO PLACEHOLDER: Add routerLinks



Our users need to know where they are



Styling Links with RouterLinkActive

Applied to any element that contains a RouterLink directive

Adds a class to the element when the activated route matches the router link

Can apply one or many classes

Can be applied to parent elements

Giving users a clear visual indicator of which link is active is part of good accessibility

ariaCurrentWhenActive

An input property of the RouterLinkActive directive

Sets the aria-current attribute equal to “page”

Tells screen reader users that the link they are on is the active link

Demo

Style active links with RouterLinkActive

DEMO PLACEHOLDER: Add RouterLinkActive

Why Programmatic Navigation?



**Initiate navigation from outside
of the template**

Require a side effect before navigation

Navigate after a timeout or error

RouterService Navigation Methods

navigate()

navigateByUrl()

RouterService Navigation Methods

`navigate()`

VS

`navigateByUrl()`

Routes to absolute or relative paths

Requires an array of path segments

Optional NavigationExtras object:

- Set and manage query params
- Set relative url
- Pass state object
- Manage browser history

Routes only to absolute paths

Requires a string url or url tree

Optional NavigationBehaviorOptions object:

- Pass state object
- Manage browser history

Demo

Routing from classes with RouterService

Summary

Added RouterLinks to the template

Styled active links with RouterLinkActive

**Initiated routing from a class
with RouterService**

Up Next:

Driving State with Router Params
