

Module 3 - Lecture 17

Routing in Vue.js



Single Page Application



Vue Router

- Routes are listed as an array of objects.
- Routes must include a **path** and a **component**
- Router can optionally include a name

```
routes: [  
  {  
    path: '/user/:userId',  
    name: 'user',  
    component: User  
  }  
]
```



Route Parameters

- Route parameters are prefaced with a colon, e.g. :userId below.
 - A matching route would be /user/2
- In Vue, this is defined as a dynamic route

```
routes: [  
  {  
    path: '/user/:userId',  
    name: 'user',  
    component: User  
  }  
]
```



Route Parameters cont...

- Capturing the parameters passed to a route is done using the **\$route** object.
- Specifically the `userId` can be found in **`$route.params.userId`**

```
routes: [  
  {  
    path: '/user/:userId',  
    name: 'user',  
    component: User  
  }  
]
```



Route Parameters cont...

pattern	matched path	\$route.params
/user/:username	/user/evan	{ username: 'evan' }
/user/:username/post/:post_id	/user/evan/post/123	{ username: 'evan', post_id: '123' }



Display a view

```
<!-- component matched by the route will render here -->  
<router-view></router-view>
```

```
routes: [  
  {  
    path: '/user/:userId',  
    name: 'user',  
    component: User  
  }  
]
```



Link from one view to another

```
<!-- use router-link component for navigation. -->  
<!-- specify the link by passing the `to` prop. -->  
<!-- `` will be rendered as an `` tag by default -->  
<router-link to="/foo">Go to Foo</router-link>  
<router-link to="/bar">Go to Bar</router-link>
```

Declarative

By path

```
<router-link :to="{ name: 'user', params: { userId: myUserId } }">Go to User Details</router-link>
```

By name



Link from one view to another

```
// literal string path
router.push('home')

// object
router.push({ path: 'home' })

// named route
router.push({ name: 'user', params: { userId: '123' } })
```

Programmatic

NOTE: router will be this.\$router within a component



QUESTIONS?

