Module 3 - Lecture 14

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

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

Declarative

```js
// 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