

Module 3

VUE ROUTING

JAVA – MODULE 3, DAY 15

ELEVATE  YOURSELF





Lecture



AGENDA

- Web Navigation & Vue
- Router-View
- Router-Link
- `this.$route`
- `this.$router`



Lecture



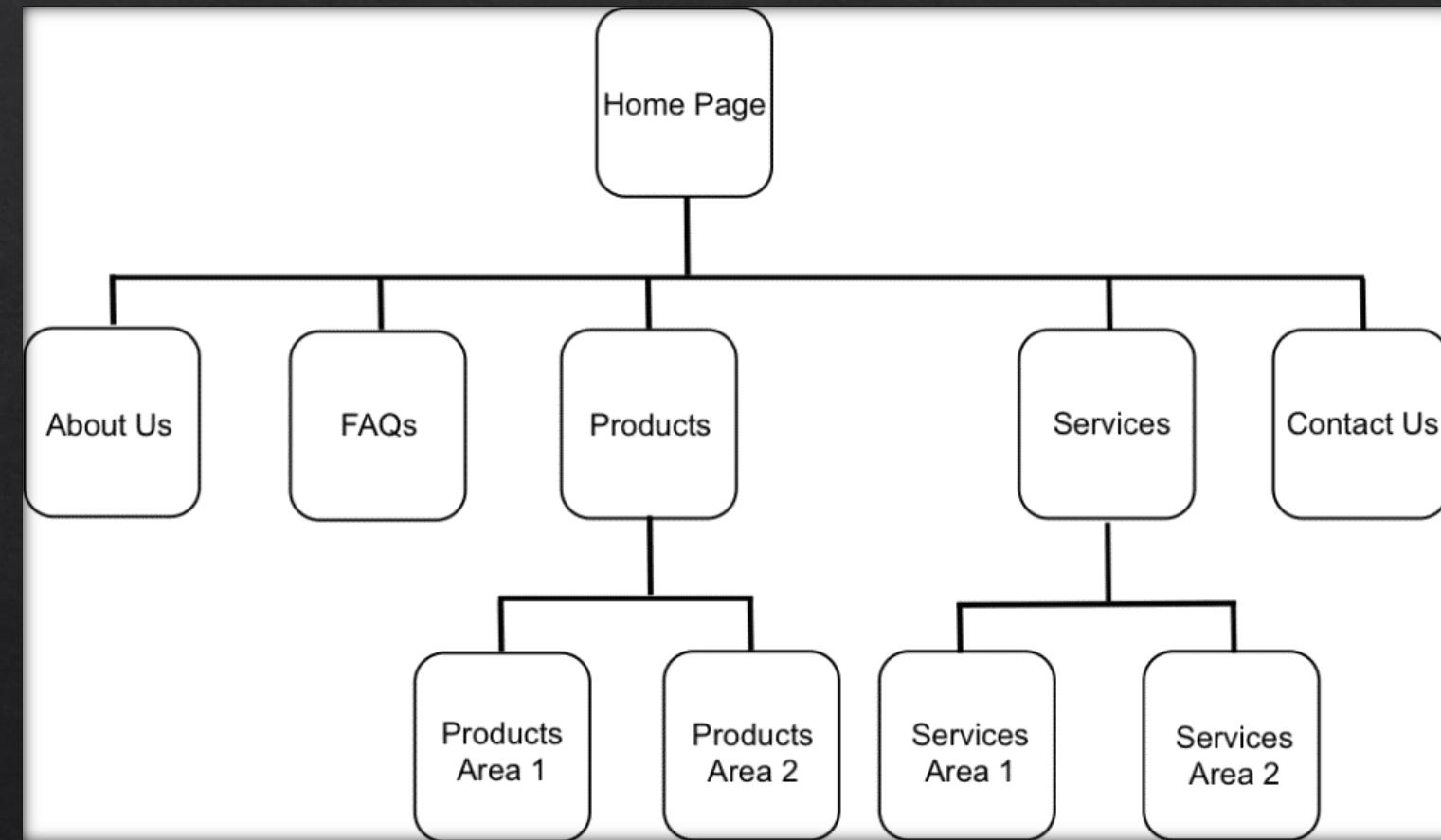
ROUTING



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WEB NAVIGATION





WEB NAVIGATION



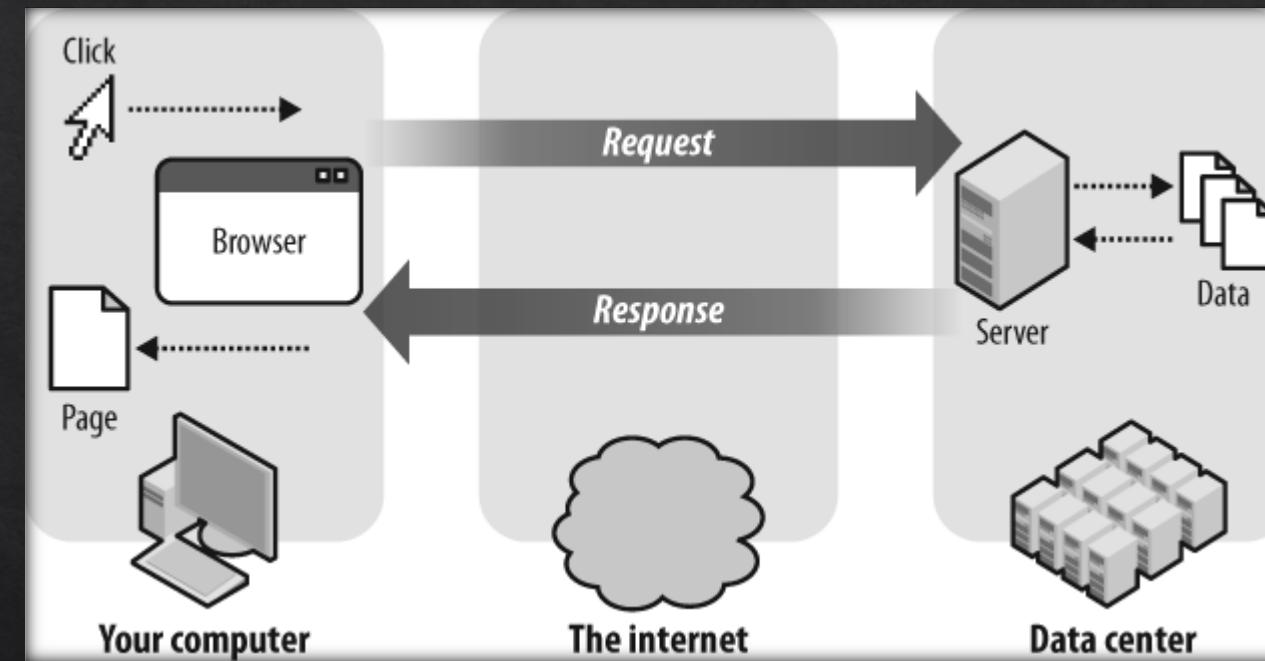
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Name	Type	Size
assets	File folder	
personal-artwork	File folder	
portfolio-samples	File folder	
work-history	File folder	
biography.html	Chrome HTML Document	2 KB
contact.html	Chrome HTML Document	2 KB
index.html	Chrome HTML Document	2 KB
personal-artwork.html	Chrome HTML Document	2 KB
portfolio-samples.html	Chrome HTML Document	2 KB
sitemap.html	Chrome HTML Document	2 KB
social-media-links.html	Chrome HTML Document	2 KB
work-history.html	Chrome HTML Document	2 KB



WEB NAVIGATION



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VUE.JS NAVIGATION





VUE.JS NAVIGATION



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```
<template>
  <div>
    <product-info v-bind:productId="productId" />
    <review-list v-bind:productId="productId" />
  </div>
</template>

<script>
import ReviewList from "@/components/ReviewList.vue";
import ProductInfo from '../components/ProductInfo.vue';

export default {
  name: "product-detail",
  components: {
    ReviewList,
    ProductInfo
  },
  data() {
    return {
      productId: 0,
    }
  },
  created() {
  }
}</script>
```

App running at:
- Local: <http://localhost:8080/>
- Network: <http://192.168.1.55:8080/>



Lecture

VIEWS VS COMPONENTS

VIEWS

Ask a Question

At Solly's we realize we can't have every question ever asked, but we sure can try! If you find something we missed, use this form to add a new entry so others can learn from your experience. Questions submitted will be reviewed in a timely manner. Or not. We don't know. I'm mostly just interested in acorns. But still submit them!

Add Question

Question

Answer

Difficulty

Add Question **Cancel**

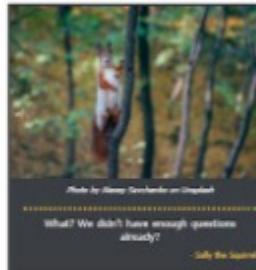


Photo by [Merry Goodeve on Unsplash](#)
What? We didn't have enough questions already?
Sally the Squirrel

COMPONENTS

Question

Answer

Difficulty

Add Question **Cancel**

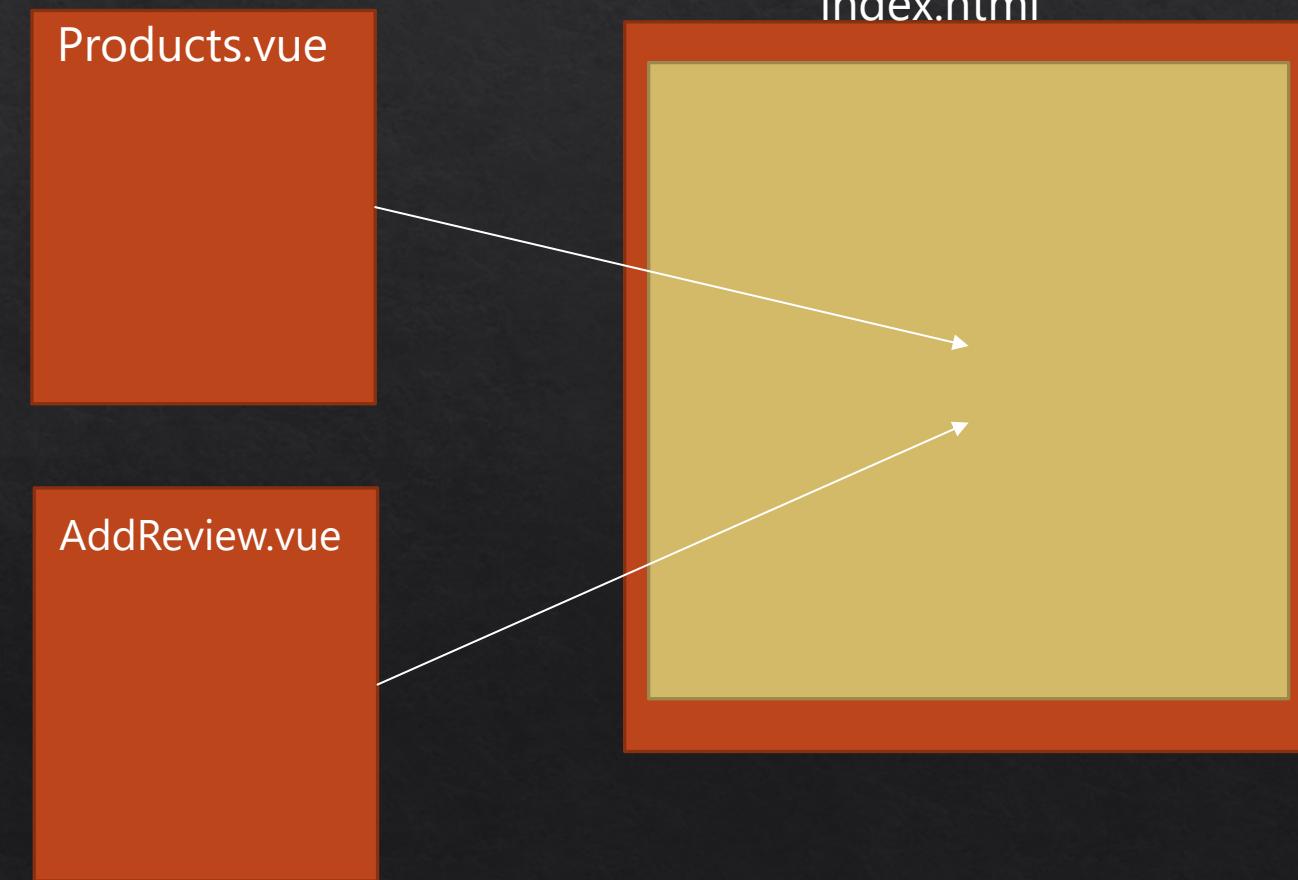




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SINGLE-PAGE APPLICATION (SPA)





Lecture



ROUTING



INSTALLING ROUTING

- **vue create my-project**

or

- **vue add router**

Lecture





Lecture



DEFINING ROUTES

```
1 import Home from '../views/Home.vue'  
2 import About from '../views/About.vue'  
3 import NotFound from '../views/NotFound.vue'  
4  
5 const routes = [  
6   {  
7     path: '/',
    // Required  
8     name: 'Home',
    // Recommended, but not required  
9     component: Home
    // Required  
10  },  
11  {  
12    path: '/About',
13    name: 'About',
14    component: About
15  },  
16  {  
17    path: '*',
18    name: 'NotFound',
19    component: NotFound
20  }
21];
```



DEFINING ROUTES



Lecture



```
1 import Vue from 'vue'
2 import VueRouter from 'vue-router'
3
4 import Home from '../views/Home.vue'
5 import About from '../views/About.vue'
6 import Services from '../views/Services.vue'
7
8 Vue.use(VueRouter)
9
10 const routes = [
11   {
12     path: '/',
13     name: 'Home',
14     component: Home
15   },
16   {
17     path: '/About',
18     name: 'About',
19     component: About
20   },
21   {
22     path: '/Services',
23     name: 'Services',
24     component: Services
25   }
26 ]
27
28 const router = new VueRouter({
29   mode: 'history',
30   base: process.env.BASE_URL,
31   routes
32 })
33
34 export default router
35
```



VUE INSTANCE



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```
import Vue from "vue";
import App from "./App.vue";
import router from "./router";

Vue.config.productionTip = false;

new Vue({
  router,
  render: h => h(App)
}).$mount("#app");
```





WILDCARD ROUTES



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```
16  {
17    path: '*',
18    name: 'NotFound',
19    component: NotFound
20 }
```





ROUTER-VIEW



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```
1 <template>
2   <div id="app">
3     <AppHeader />
4     <router-view /> <!-- The currently active view will be presented here -->
5     <app-footer />
6   </div>
7 </template>
```





ROUTER-LINK



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```
1 <small>
2
3
4 See <router-link to="/About">site disclaimer</router-link> for more info.
5 </small>
```



ROUTER-LINK



Lecture

```
1 <small>
2
3
4     See <router-link v-bind:to="{name: 'About'}">site disclaimer</router-link>
5     for more info.
6 </small>
```





ROUTER-LINK



Lecture



```
1 <small>
2
3
4     See <router-link to="/About">site disclaimer</router-link> for more info.
5 </small>
```

```
1 <small>
2
3
4     See <router-link v-bind:to="{name: 'About'}">site disclaimer</router-link>
5     for more info.
6 </small>
```



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ROUTER-LINK STYLING

.router-link-active

By default Vue adds the router-link-active class to routes.



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PRODUCT LIST



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HISTORY MODE

```
1 import Vue from 'vue'  
2 import VueRouter from 'vue-router'  
3 import Home from '../views/Home.vue'  
4  
5 Vue.use(VueRouter)  
6  
7 const routes = [  
8   {  
9     path: '/',
10     name: 'Home',
11     component: Home
12   }
13 ];
14
15 const router = new VueRouter({
16   mode: 'history',
17   base: process.env.BASE_URL,
18   routes
19 })
20
21 export default router
```



Lecture



DYNAMIC ROUTES

```
1 const routes = [
2   {
3     path: '/Questions',
4     name: 'Questions',
5     component: Questions
6   },
7   {
8     path: '/Questions/:id',
9     name: 'QuestionDetails',
10    component: QuestionDetails
11  },
12  {
13    path: '/Questions/:id/Edit',
14    name: 'EditQuestion',
15    component: QuestionEdit
16  },
17  // others omitted...
18];
```



Lecture

```
1 <router-link v-bind:to="{name: 'product-details', params: {id: product.id}}">
2   View Product Details
3 </router-link>
```





Lecture



THIS.\$ROUTE & THIS.\$ROUTER

```
1 created() {
2   const id = this.$route.params.id; // Grabs the route parameter named id, if it was present
3   this.question = this.$store.state.questions.find(q => q.id === id);
4
5   if (!this.question) {
6     this.$router.push({name: 'NotFound'});
7   }
8 }
```



THIS.\$ROUTE & THIS.\$ROUTER



Lecture



```
1 created() {
2   const id = this.$route.params.id; // Grabs the route parameter named id, if it was present
3   this.question = this.$store.state.questions.find(q => q.id === id);
4
5   if (!this.question) {
6     this.$router.push({name: 'NotFound'});
7   }
8 }
```



ROUTING



SomeComponent.vue

```
1 <router-link v-bind:to="{name: 'product-details', params: {id: product.id}}">
2   View Product Details
3 </router-link>
```



router/index.js

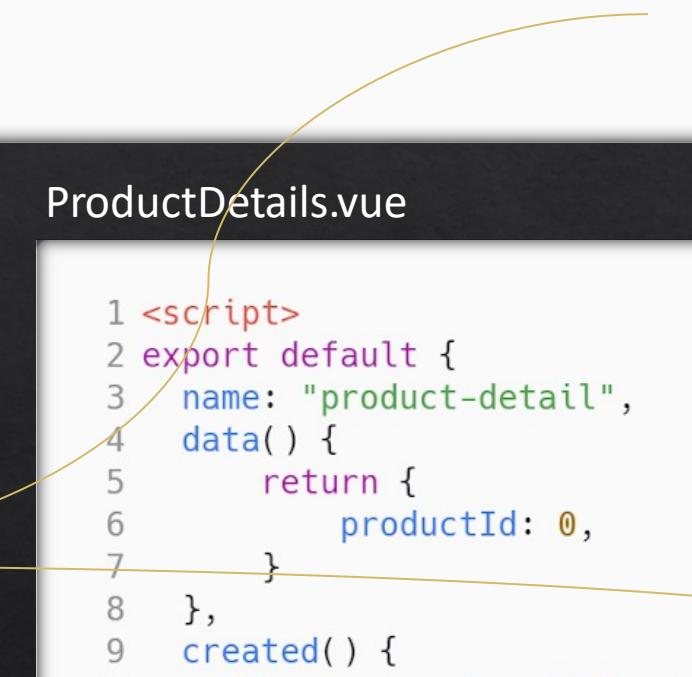
```
1 const routes = [
2   {
3     path: '/',
4     name: 'products',
5     component: Products,
6   },
7   {
8     path: '/products/:id',
9     name: 'product-details',
10    component: ProductDetails,
11  },
12  {
13    path: '*',
14    name: 'not-found',
15    component: NotFound,
16  }
17 ]
```

Lecture



ProductDetails.vue

```
1 <script>
2 export default {
3   name: "product-detail",
4   data() {
5     return {
6       productId: 0,
7     }
8   },
9   created() {
10     this.productId = this.$route.params.id;
11   }
12 };
13 </script>
```





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ADDING REVIEWS



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ADDITIONAL RESOURCES

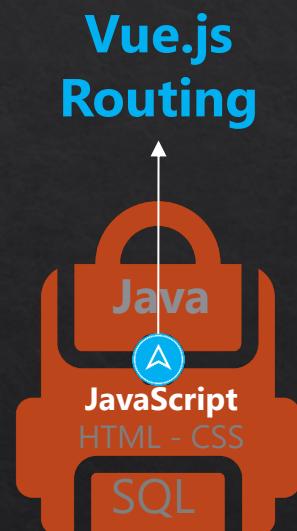
- [BootcampOS](#)
- [Vue.js Documentation - \(https://vuejs.org/v2/guide/\)](#)
- [Vue CLI – \(https://cli.vuejs.org/\)](#)

Module 3

Vue Routing



New Tools! Let's Code!



Developer's Toolbox