ANGULAR JS – ROUTING

Overview:-

HTML is great for declaring static documents, but it falters when we try to use it for declaring dynamic views in web-applications. AngularJS lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop.

If you want to navigate to different pages in your application, but you also want the application to be a SPA (Single Page Application), with no page reloading, you can use the `ngRoute` module.The `ngRoute` module *routes* your application to different pages without reloading the entire application.

Requirements:-

Browser support:- Angular supports most recent browsers. This includes the following specific versions:

Chrome	latest
Firefox	latest and extended support release (ESR)
Edge	2 most recent major versions
IE	11, 10*, 9* ("compatibility view" mode not supported) *deprecated in v10
IE Mobile*	11 *deprecated in v10
Safari	2 most recent major versions
iOS	2 most recent major versions
Android	X (10.0), Pie (9.0), Oreo (8.0), Nougat (7.0)

Design Structure:-

For the better understandability in this projects we use some techniques and different tools as follows.

1.Folder structure

```
snowden@fsociety:/media/snowden/Windows/xampp/htdocs/angular_routing$ tree
.
├── api
├── app
│   └── route.js
├── dbconfig.php
├── index.php
└── templates
    ├── blue.html
    ├── green.html
    ├── main.html
    └── red.html

3 directories, 7 files
```

2.Browser
* chrome (latest)
* Mozilla Firefox (latest) // recommended

3.Operating System
* linux (ubuntu or any)
* windows (8 or above)

4.IDE
* vscode (recommended)

5.Software used in this project
* Apache
* MySQL
* github/gitlab

Implementation:-

if the application was organizing an Event and one wanted to see what the various events on display are, or wanted to see the details of a particular event or delete an event. In a Single Page application, when routing is enabled, all of this functionality would be available via links and everything connect each other with links.

STEP 1

      create index.html and save the following codes: should be included-

```html
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular-route.js"></script>

<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="#/!">Home</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#!red">Red</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#!blue">Blue</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#!green">Green</a>
</li>
</ul>


<div ng-view></div>

<script src="app/route.js"></script>
```

STEP 2

connect templates folder with html file in it

```
snowden@fsociety:/media/snowden/Windows/xampp/htdocs/angular_routing/templates$ tree
.
├── blue.html
├── green.html
├── main.html
└── red.html

0 directories, 4 files
```

STEP 3

connect route.js file from the folder app

```javascript
var app = angular.module("myApp", ["ngRoute"]);
app.config(function($routeProvider) {
$routeProvider
.when("/", {
templateUrl : "templates/main.html"
})
.when("/red", {
templateUrl : "templates/red.html"
})
.when("/blue", {
templateUrl : "templates/blue.html"
})
.when("/green", {
templateUrl : "templates/green.html"
});
});
```

STEP 4

save all the files and run on your localhost

Reference

https://github.com/hanshir/angular-routing

https://github.com/hanshir/angular_controllers