# Angular Best Friends

## Module 6 Exercise 1 – Basic routing

## Goals

Main goal of this exercise is to review to routing fundamentals. During this exercise we’ll create a very basic routing configuration by adding a routing module to the root app module and configure routes to make sure that when we access the application the welcome component is displayed.

## Steps

1. Go to the “**Module6Exercise1 > initial**” folder
2. Right click it and open he folder in VS Code
3. In the terminal window run **npm install** to install the needed node modules. This step is needed only when you run the application for the first time.

### Adding the RouterModule

1. First import the RouterModule by adding a necessary import at the top of the file. To be consistent with imports organization, the recommendation is to do it on line 4

import { RouterModule } from '@angular/router';

1. Add the RouterModule to the imports array of the NgModule.

RouterModule.forRoot([]),

Note here that we add it to the imports with the **forRoot** method since this is the root module. It takes in an array of route configurations.

1. In the empty route configuration array, add the following route configurations:

RouterModule.forRoot([

{ path: 'welcome', component: WelcomeComponent },

{ path: '', redirectTo: 'welcome', pathMatch: 'full' },

{ path: '\*\*', component: PageNotFoundComponent }

]),

We have added a path for “welcome” that will present the WelComeComponent. We have also created a redirect to the welcome route so that when we open the application it will automatically be redirected to that route. We have also configured a wild card route. This will be activated if the user tries to navigate to a route that doesn’t exist.

1. Now we need to place the route outlet on the template. To do this, go to the “**app.component.html**” file
2. In the **container** div, delete the selector for the welcome component. Here we want to place a router outlet instead. Replace the previously deleted selector with the following code (note: in the sample we showed the entire div. What you need to do is just use the router outlet. )

<div class="container">

<router-outlet></router-outlet>

</div>

1. On the “Home” <a> tag add a routerlink directive to activate the welcome route when we click home. The end result should look similar to this:

<a class="nav-link" [routerLink]="['/welcome']">Home</a>

1. In a terminal window now run **ng serve –open** to launch the application
2. Notice that right now we’re routing to the welcome component, not just displaying it via a selector. You can tell this by the fact that the path in the browser is now <http://localhost:4200/welcome>
3. Instead of “welcome” put an invalid path like “mypath”. When you hit enter the page not found component should be displayed.
4. If you click on “Home” then the welcome route will be activated and the corresponding component will be displayed in the router outlet.