Angular Routers

By: Mosh Hamedani

Enabling Routing

1- Add **<base>** in index.html:

```
<head>
    <base href="/">
</head>
```

2- Add a reference to the router script in **index.html**:

```
<script src="node_modules/angular2/bundles/router.dev.js"/>
```

3- Add router providers when bootstrapping the application (so Angular can do the required dependency injection behind the scene):

In **boot.ts**

```
import {ROUTER_PROVIDERS} from 'angular2/router'


bootstrap(AppComponent, [ROUTER_PROVIDERS]);
```

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Configuring Routes

```
@RouteConfig([
  { path: '/', name: 'Home', component: HomeComponent },
  { path: '/albums', name: 'Albums', component: AlbumsComponent},
  { path: '/albums/:id', name: 'AlbumDetails, component: … },
  { path: '/*other', name: 'Other', redirectTo: ['Home'] }
])
export class AppComponent {}
```

Using Router Outlet

```
import {ROUTER_DIRECTIVES} from 'angular2/router';


@Component({
    template: `
        <router-outlet></router-outlet>
    `,
    directives: [ROUTER_DIRECTIVES]
})
export class AppComponent {
}
```

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Adding Links

Make sure you've added ROUTER_DIRECTIVES in the component metadata.

```
<a [routerLink]="['AlbumDetail', { id: 1 }]">View</a>
```

Getting Route Parameters

```
import {RouteParams} from 'angular2/router';


export class AppComponent {
    constructor(routeParams: RouteParams) {
        var id = routeParams.get("id");
    }
}
```

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Imperative Navigation

```
import {Router} from 'angular2/router';


export class AppComponent {
    constructor(private _router: Router) {
    }

    onClick() {
        this._route.navigate('[Albums]');
    }
}
```

Router Lifecycle Hooks

```
import {CanActivate, CanDeactivate} from 'angular2/router';


export class ContactFormComponent implements CanDeactivate {
    routerCanDeactivate(next, previous) {
        if (this.form.dirty)
            return confirm('Are you sure?');
    }
}
```

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Child Routing Components

```
@RouteConfig([
    {
        path: '/events/...',
        name: 'Events',
        component: EventsComponent
    }
])
export class AppComponent {}


@RouteConfig([
    {
        path: '/',
        name: 'EventsList',
        component: EventsListComponent
    },
    {
        path: '/:id',
        name: 'EventDetails',
        component: EventsDetailsComponent
    }
])
export class EventsComponent {}
```