NativeScript Navigation

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 NativeScript leverages Angular router for implementing navigation

Angular	NativeScript
RouterModule	NativeScriptRouterModule
<router-outlet></router-outlet>	<page-router-outlet></page-router-outlet>
routerLink	nsRouterLink

NativeScript Navigation

- NativeScript apps built around pages
 - Separate application screens
 - Instances of Page class
- Page navigation integrated with native navigation elements on the mobile platform
 - Back button in Android
 - NavigationBar in iOS

Typical Mobile Navigation

Prosph **Grandchild Page Grandchild Page Child Page Root Page**

Stack

Page Router Outlet

- pageRouterOutlet: uses pages to navigate
 - <page-router-outlet></page-router-outlet>
 - New component will be loaded as a root view in a new page
 - Content outside the <page-router-outlet> will not be included in the new page
 - Use as single root element in the application component
 - When navigating forward current page and views are saved in native navigation stack. Component not destroyed

NsRouterLink and RouterExtensions

nsRouterLink the NativeScript counterpart for Angular's routerLink

```
<GridLayout class="sidedrawer-list-item" rows="*" columns="*"
orientation="horizontal" [nsRouterLink]="['/menu']" clearHistory="true">
```

RouterExtensions

- Enables navigation through code
- Several methods available: back(), backToPreviousPage(), navigate(), navigatebyUrl() etc.
- back() goes back to the previous router location even if the navigation occurred inside the child router outlet on the current page
- backToPreviousPage() goes back to the previous page. The method skips all child router-outlet navigations inside the current page and goes directly to the previous one.

Route Parameters

- Route parameters can be specified using a link parameter array while specifiyng the link
 - e.g., <StackLayout [ngRouterLink]="['/dishdetail', dish.id]">
- Can also be used within a method
 - e.g., this.router.navigate(['/dishdetail', dish.id]);

ActivatedRoute Service

- Router service that provides useful information about the routes, including:
 - url: An Observable of the route path(s), represented as an array of strings for each part of the route path.
 - params: An Observable that contains the required and optional parameters specific to the route
 - queryParams: An Observable that contains the query parameters available to all routes.