Exercise 10

1. <base href="/"> in our index.html is used to compose relative URLs in our project.
2. We define our routes in our app-rooting.ts file.
3. Href is a simple Html attribute for navigating among sites that reloads the page when clicked. Angular's routerLink feature allows you to navigate to other components without having to reload the page.
4. The other way of routing to a different page is called imperative/programmatic routing which makes use of a button and click on it to jump to a different page.
5. The canActivate method returns a boolean that indicates if navigation to a route should be permitted. If the user is not authenticated, they are redirected to another location, for example /login. The guard can be used to defend whatever paths you like.
6. When we navigate away from the route before the current component is deactivated, the Angular CanDeactivate guard is called. The data entry component is the ideal use case for CanDectivate guard. It's possible that the user has completed the data entering and is attempting to exit the component without saving his work.