

# ANGULAR

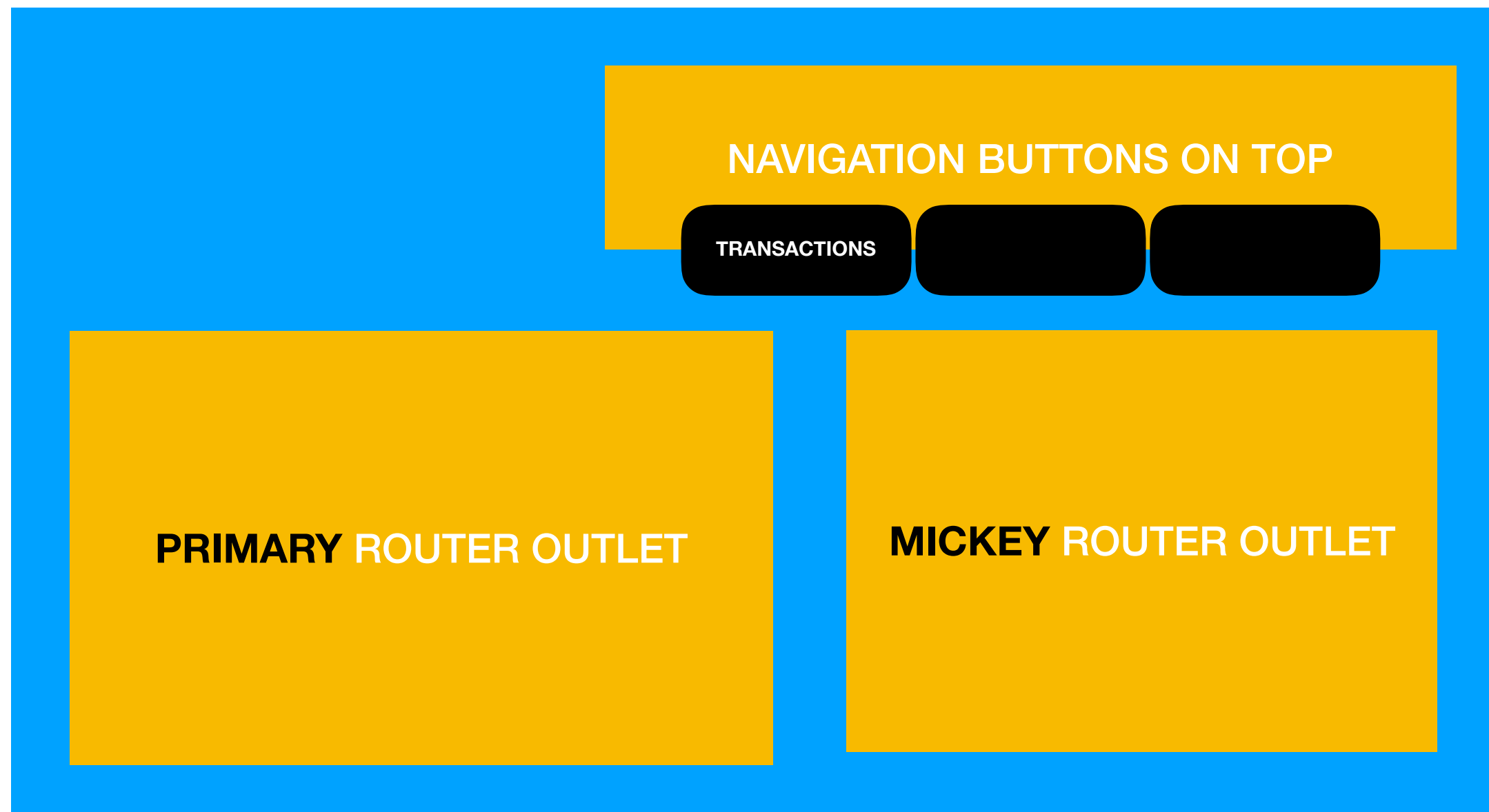
Router Module Introduction  
by Mario Estrada

## What is the Router Module ?

- The Angular router enables navigation from one view to the next as users perform application tasks.
- The web browser is a familiar model of application navigation

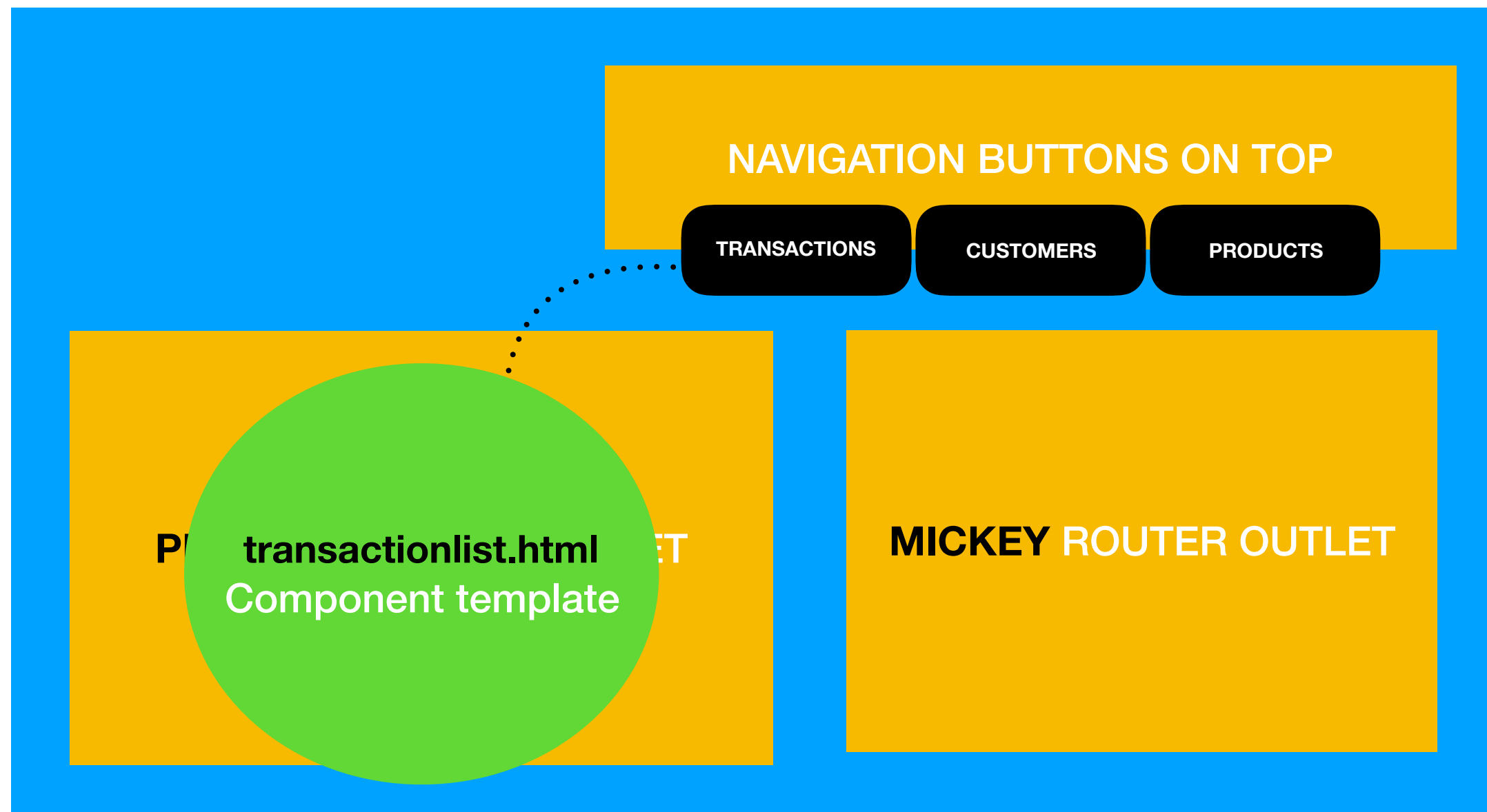
# Angular Router Concepts

**app.component.html** file



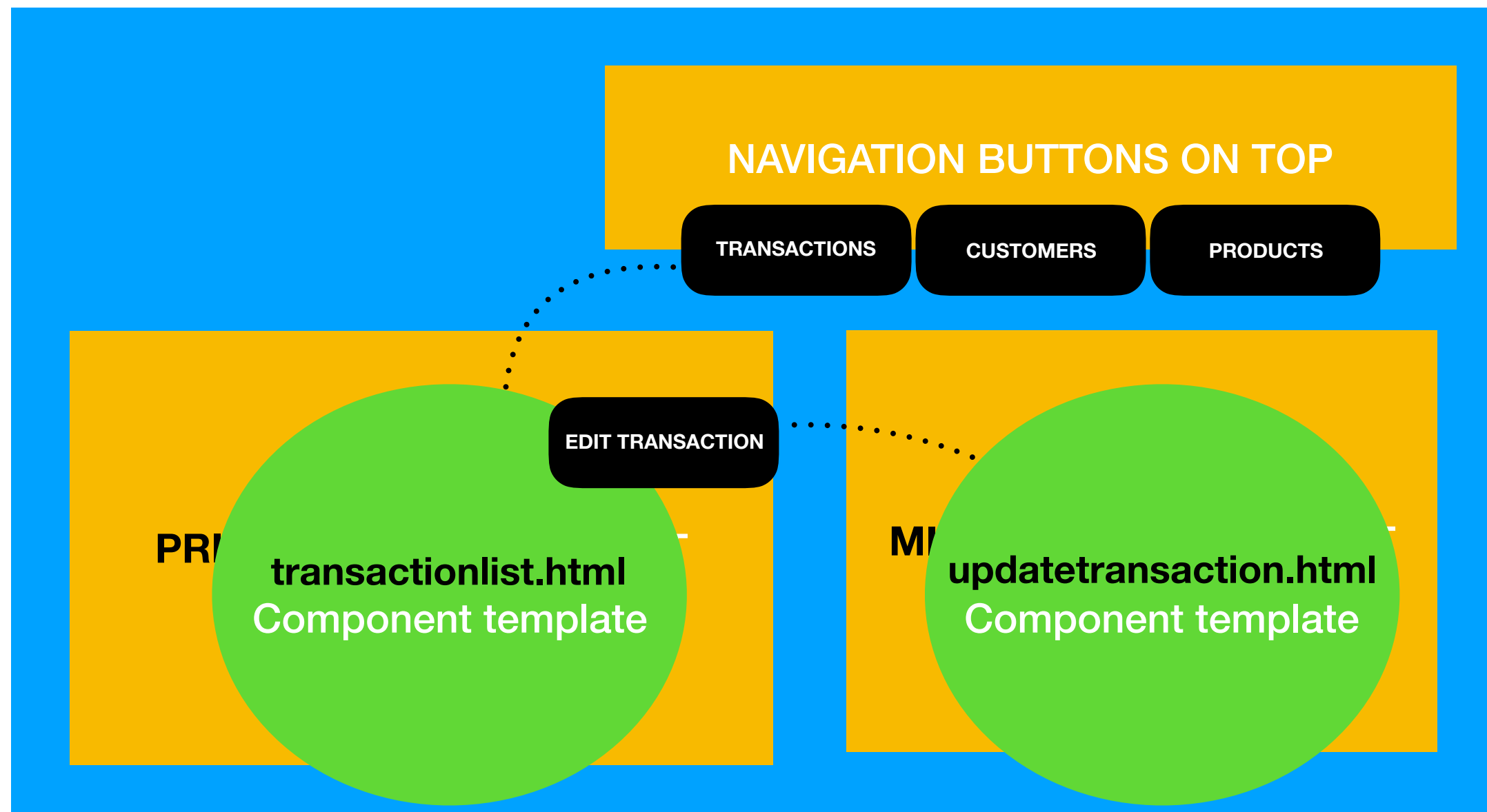
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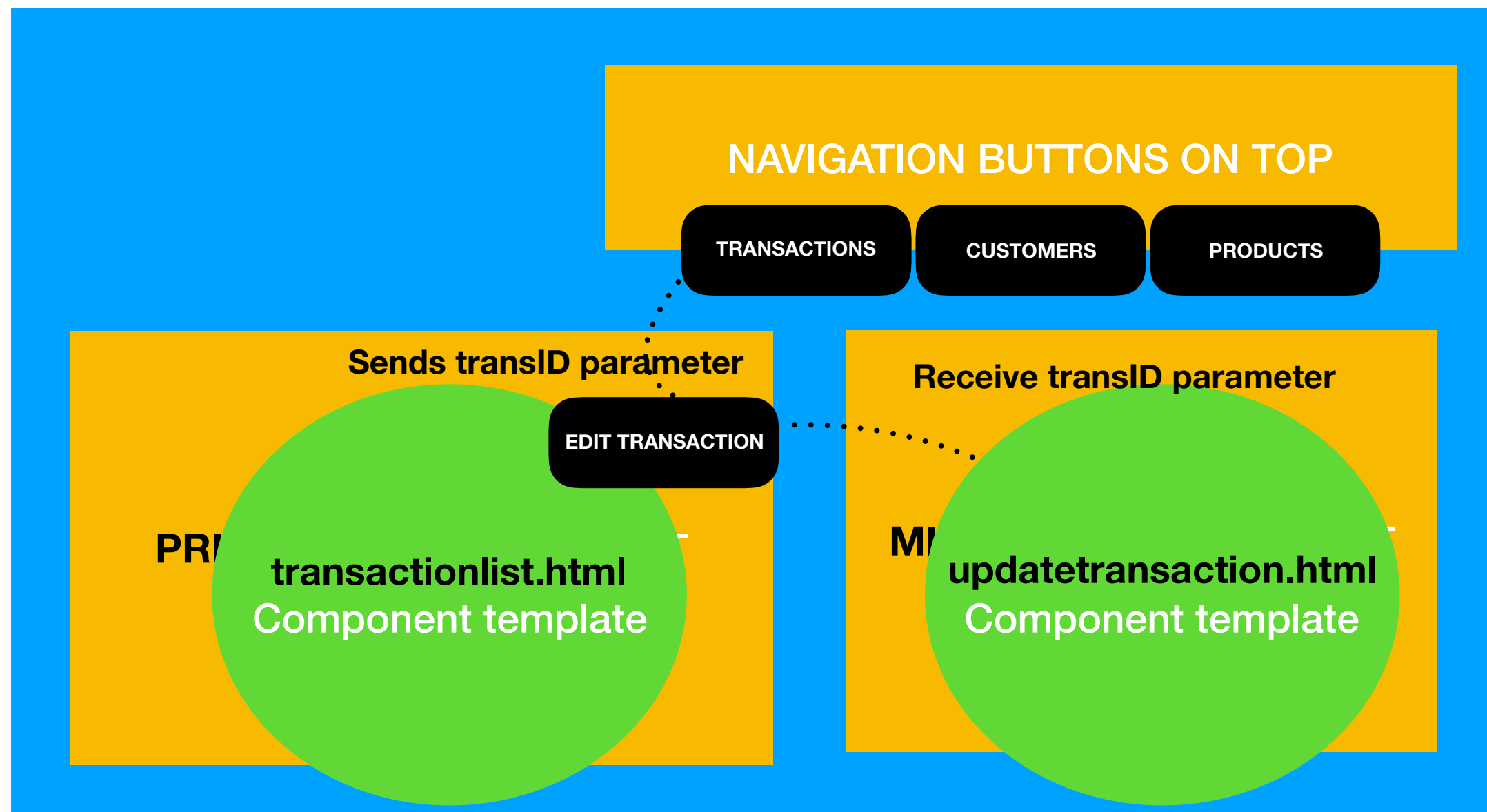
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# How to Add Router Module to your Application?

- 1 It is necessary to add it in your application module as a regular module and import it as an NG Module

```
import { RouterModule, Routes } from '@angular/router';
```

- 2 Define a constant of type Routes and declare the routing map

```
const appRoutes: Routes = [  
  { path: 'transactionlist', component: TransactionListComponent },  
  { path: 'transaction/:id', component: UpdateTransactionComponent },  
  { path: 'main', component: TransactionListComponent, data: { title: 'Heroes List' } },  
  { path: '', redirectTo: '/main', pathMatch: 'full' },  
  { path: '**', component: PageNotFoundComponent }  
];
```

# How to Add Router Module to your Application?

- 3** Import it as an NG Module , declaring the routes object for the root parent module

```
@NgModule({  
  imports: [  
    RouterModule.forRoot(  
      appRoutes,  
      { enableTracing: true } // <-- debugging purposes only  
    )  
    // other imports here  
  ],  
  ...  
})  
export class AppModule { }
```

**.forChild** *Whenever inside a child module,  
You want to define routes*



# How to activate a Route ?

## 1 Using a anchor HTML tag

```
<a routerLink="/transactionlist" routerLinkActive="active">Transactions</a>
```

## 2 Using a button

```
<button routerLink="/transactionlist">Go to sidekicks</button>
```

## 3 From inside the component code

```
import {Router} from '@angular/router';  
...  
constructor(public router:Router) {  
    .....  
    this.router.navigate([' /transactionlist ']);  
  
    this.router.navigate([' /updatetransaction ', {transID : 200}]);  
}
```

# How do We access the parameters?

The ActivatedRoute Class from the Angular Router module, returns an observable from the method params. We can subscribe to it on the ngOnInit

```
import {ActivatedRoute} from '@angular/router';  
...  
Constructor (public route: ActivatedRoute) {}  
  
ngOnInit () {  
    This.route.params.subscribe(dataparams => {  
        console.log(dataparams);  
        console.log(dataparams['transID']);  
    });  
}
```

```
console.log("let's code");  
//Mario Estrada - EYC Consulting Group
```