• Add a <router-outlet> to App component template.

```
app.component.html
<div class="main">
  <!-- Dynamic content goes here -->
  <router-outlet></router-outlet>
```

• Import *Home* and *Phones* components into app.routing.ts.

#### app.routing.ts

</div>

```
import { HomeComponent } from './home/home.component';
import { PhonesComponent } from './phones/phones.component';
```

Add Routes to appRoutes array.

```
app.routing.ts
```

• Add two routerLink elements to App component template

```
<!-- Links for Components-->
  <a routerLink='/home' routerLinkActive="active">Home</a>
  <a routerLink='/phones' routerLinkActive="active">Phones</a>
```

Import PhoneDetail component into app.routing.ts

```
app.routing.ts
import { PhoneDetailComponent } from './phones/phone-detail.component';
```

• Add Route for PhoneDetail component (with route parameter) into appRoutes.

```
app.routing.ts
{
    path: 'phones/:id',
    component: PhoneDetailComponent
}
```

• Create routerLinks to navigate to the PhoneDetails of each mobile phone listed in Phones component.

```
phones/phones.component.ts
```

```
    *ngFor="let phone of phones">
        <a [routerLink]="['/phones/', phone.id]">{{phone.id}} : {{phone.name}} [{{phone.quantity}}]</a>
```

• Import AuthGuard to app.routing.ts

```
app.routing.ts
import { AuthGuard } from './auth-guard.service';
```

Add AuthGuard into appRoutingProviders array.

```
app.routing.ts
export const appRoutingProviders: any[] = [AuthGuard];
```

• For each Route that should use AuthGuard, include AuthGuard for the property called "canActivate" in Route.

```
app.routing.ts
{
   path: 'phones',
   component: PhonesComponent,
   canActivate: [AuthGuard]
},
{
   path: 'phones/:id',
   component: PhoneDetailComponent,
   canActivate: [AuthGuard]
}
```

• Import CanDeactivateGuard to app.routing.ts

```
app.routing.ts
import { CanDeactivateGuard } from './can-deactivate-guard.service';
```

Add CanDeactivateGuard into appRoutingProviders array.

```
app.routing.ts
export const appRoutingProviders: any[] = [AuthGuard, CanDeactivateGuard];
```

• For each Route that should use CanDeactivateGuard, include CanDeactivateGuard for the property called "canDeactivate" in Route.

```
app.routing.ts
{
  path: 'phones/:id',
  component: PhoneDetailComponent,
  canActivate: [AuthGuard],
  canDeactivate: [CanDeactivateGuard]
}
```