



Angular 5 CT Specialization

Angular Material Lab 15

January 2019

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Document Control

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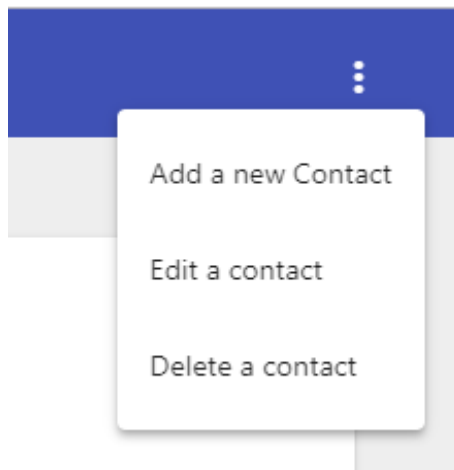
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Adding a button with an icon to trigger a menu

1. Open **sidenav.component.html** file & add the following markup inside the **<mat-toolbar>** element:

```
<span style="flex: 1 1 auto;"></span>
<button mat-button [matMenuTriggerFor]="menu">
  <mat-icon>more_vert</mat-icon>
</button>
<mat-menu #menu>
  <button mat-menu-item>Add a new Contact</button>
  <button mat-menu-item>Edit a contact</button>
  <button mat-menu-item>Delete a contact</button>
</mat-menu>
```

2. Serve the application & observe that the toolbar now contains a button with a vertical icon. When the icon is clicked, a menu appears as shown below:



Adding a component to be displayed as the body of the dialog box

3. Run the following command to create a new component:

```
D:\angular5specialization\angularmaterialapp>ng g c --flat contact-manager/add-contact-dialog --skipTests
```

Opening & Closing a modal dialog box

4. Open **sidenav.component.ts** file & add the following import statements:

```
import {MatDialog,MatDialogConfig} from '@angular/material';
```

5. Open **sidenav.component.html** file & add the following attribute to the **<button>** element titled **Add a new contact**:

```
(click)="OpenAddContactDialog()
```

6. In the **SideNavComponent** class, add the following method:

```
public OpenAddContactDialog():void
{

}
```

7. Add the following parameter to the constructor of the **SideNavComponent** class:

```
private dialog:MatDialog
```

8. Add the following import statement:

```
import {AddContactDialogComponent} from './add-contact-dialog.component';
```

9. Open **contact-manager.module.ts** file & add the following parameter to the **@NgModule** decorator function after the **[providers]** parameter:

```
entryComponents:[AddContactDialogComponent]
```

10. Add the following code inside the **OpenAddContactDialog()** method inside the **side-nav.component.ts** file:

```
const dialogconfig = new MatDialogConfig();
dialogconfig.disableClose = true;

const dialogref = this.dialog.open(AddContactDialogComponent,
  dialogconfig);
  dialogref.afterClosed().subscribe(result => {
    alert("Result from dialog box: " +result);
  });
```

11. Open **add-contact-dialog.component.ts** file & add the following import statement:

```
import {MatDialogRef} from '@angular/material';
```

12. Add the following parameter to the constructor of the **AddContactDialogComponent** class:

```
private dialogref:MatDialogRef<AddContactDialogComponent>
```

13. Add the following code inside the **AddContactDialogComponent** class:

```
public dialogdata = "This is from AddContactDialogComponent";
```

14. Add the following method inside the **AddContactDialogComponent** class:

```
public CloseDialog():void
{
  this.dialogref.close();
}
```

15. Open **add-contact-dialog.component.html** & delete the existing markup inside it & add the following markup:

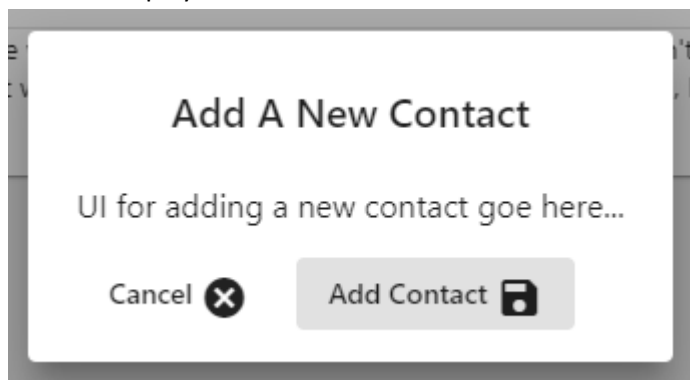
```
<div>
  <h4 align="center" mat-dialog-title>Add A New Contact</h4>

  <div mat-dialog-content>
    <span>UI for adding a new contact goe here...</span>
  </div>

  <mat-dialog-actions>
    <button mat-button (click)="CloseDialog()">
      Cancel
      <mat-icon>cancel</mat-icon>
    </button>

    <button mat-button [mat-dialog-close]="dialogdata"
      cdkFocusInitial>
      Add Contact
      <mat-icon>save</mat-icon>
    </button>
  </mat-dialog-actions>
</div>
```

16. Serve the application. Click on the first menu option to add a new contact & a dialog box must be displayed as shown below:



17. Click on the **Cancel** button in the dialog box & observe that an alert box is displayed stating that the result returned from the dialog box is **undefined**. When the **Add Contact** button is clicked, an alert box is displayed stating that the result returned from the dialog box is **This is from AddContactDialogComponent**.