In Angular Material, when you open a dialog (`MatDialog`), clicking outside of it (on the backdrop) will close it by default. If you want to **intercept that click**, run some logic **before** it closes, and optionally prevent the close, you can use the `backdropClick()` observable from the `MatDialogRef`.

Here's a **complete example**:

TypeScript (Component that opens the dialog)

```typescript
import { Component } from '@angular/core';
import { MatDialog } from '@angular/material/dialog';
import { MyDialogComponent } from './my-dialog.component';

@Component({
  selector: 'app-root',
  template: `<button mat-button (click)="openDialog()">Open Dialog</button>`
})
export class AppComponent {
  constructor(private dialog: MatDialog) {}

  openDialog() {
    const dialogRef = this.dialog.open(MyDialogComponent, {
      width: '400px',
      disableClose: true // Prevent auto-close on outside click
    });

    // Intercept backdrop clicks
    dialogRef.backdropClick().subscribe(() => {
```

```
      console.log('Backdrop clicked!');
      // Run your custom logic here
      const shouldClose = confirm('Do you really want to close?');
      if (shouldClose) {
        dialogRef.close();
      }
    });
  }
}
```

Dialog Component

```
import { Component } from '@angular/core';

@Component({
  selector: 'app-my-dialog',
  template: `
    <h2 mat-dialog-title>My Dialog</h2>
    <mat-dialog-content>
      <p>Some dialog content...</p>
    </mat-dialog-content>
    <mat-dialog-actions align="end">
      <button mat-button mat-dialog-close>Close</button>
    </mat-dialog-actions>
  `
```

```
})
export class MyDialogComponent {}
```

Key Points

- `disableClose: true`
  Prevents Angular Material from automatically closing the dialog when clicking outside or pressing `Esc`.
  This gives you full control.

- `backdropClick()`
  Emits an event whenever the backdrop is clicked.
  You can run your logic here and decide whether to close the dialog.

- **Manual Close**
  Call `dialogRef.close()` only when your conditions are met.

✅ **Example Behavior**:

- User clicks outside → `backdropClick()` triggers → confirmation dialog appears → if confirmed, the dialog closes; otherwise, it stays open.

If you want, I can also show you **how to intercept both outside clicks and the ESC key** so you can run logic before closing in both cases.
Do you want me to prepare that version?