



Angular 5 CT Specialization

Angular Material Lab 18

January 2019

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Adding a method to the Angular service class to add a new contact & adding a *MatSnackBar* to display notifications

1. Open **user.service.ts** file & add the following import statement:

```
import {HttpHeaders} from '@angular/common/http';
```

2. Add the following method inside the **UserService** class:

```
public AddContact(user:User):Observable<any>
{
  return this.http.post('http://localhost:3000/users',user,
  {
    headers:new HttpHeaders({
      'Content-Type':'application/json',
      'Authorization':'my auth token(POST REQUEST)'
    })
  });
}
```

3. Open **add-contact-dialog.component.html** file & remove the **[mat-dialog-close]** attribute from the second **<button>** element.

4. Add the following attribute to the second **<button>** element:

```
(click)="SaveContact()"
```

5. Add the following import statements inside the **AddContactDialogComponent** class:

```
import {UserService} from '../services/user.service';
import {MatSnackBar} from '@angular/material';
```

6. Add the following parameters to the constructor of the **AddContactDialogComponent** class:

```
private svc:UserService, private snackbar:MatSnackBar
```

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

```
public SaveContact():void
{
  this.svc.AddContact(this.user).subscribe(
    (result) => {this.snackbar.open("Contact saved",null,{duration:2000}); this.dialogref.close(this.user);},
    (error) => {this.snackbar.open("Error while adding contact",null,{duration:5000});}
  );
}
```



8. Serve the application & add a new user. Observe that a notification is displayed at the bottom of the screen (*snackbar*) when the new contact has been added. Any error that might occur during the add operation will be displayed in a *snackbar* as well.