ANGULAR FORMS

Posts->post-create

File: post-create.component.css

mat-form-field,

textarea {

  width: 100%;

}

post-create.component.html

<mat-card>

  <form (submit)="onAddPost(postForm)" #postForm="ngForm">

    <mat-form-field>

      <input

        matInput

        type="text"

        name="title"

        ngModel

        required

        minlength="3"

        #title="ngModel">

      <mat-error \*ngIf="title.invalid">Please enter a post title.</mat-error>

    </mat-form-field>

    <mat-form-field>

      <textarea

        matInput

        rows="4"

        name="content"

        ngModel

        required

        #content="ngModel"></textarea>

      <mat-error \*ngIf="content.invalid">Please enter a post title.</mat-error>

    </mat-form-field>

    <button

      mat-raised-button

      color="accent"

      type="submit">Save Post</button>

  </form>

</mat-card>

post-create.component.ts

import { Component, EventEmitter, Output } from "@angular/core";

import { NgForm } from "@angular/forms";

import { Post } from '../post.model';

@Component({

  selector: "app-post-create",

  templateUrl: "./post-create.component.html",

  styleUrls: ["./post-create.component.css"]

})

export class PostCreateComponent {

  enteredTitle = "";

  enteredContent = "";

  @Output() postCreated = new EventEmitter<Post>();

  onAddPost(form: NgForm) {

    if (form.invalid) {

      return;

    }

    const post: Post = {

      title: form.value.title,

      content: form.value.content

    };

    this.postCreated.emit(post);

  }

}

Post-list

post-list.component.css

:host {

  display: block;

  margin-top: 1rem;

}

.info-text {

  text-align: center;

}

post-list.component.html

<mat-accordion multi="true" \*ngIf="posts.length > 0">

  <mat-expansion-panel \*ngFor="let post of posts">

    <mat-expansion-panel-header>

      {{ post.title }}

    </mat-expansion-panel-header>

    <p>{{ post.content }}</p>

  </mat-expansion-panel>

</mat-accordion>

<p class="info-text mat-body-1" \*ngIf="posts.length <= 0">No posts added yet!</p>

post-list.component.ts

import { Component, Input } from "@angular/core";

import { Post } from '../post.model';

@Component({

  selector: "app-post-list",

  templateUrl: "./post-list.component.html",

  styleUrls: ["./post-list.component.css"]

})

export class PostListComponent {

  // posts = [

  //   { title: "First Post", content: "This is the first post's content" },

  //   { title: "Second Post", content: "This is the second post's content" },

  //   { title: "Third Post", content: "This is the third post's content" }

  // ];

  @Input() posts: Post[] = [];

}

post.model.ts

export interface Post {

  title: string;

  content: string;

}

Outside posts folder

app.component.css

main {

  margin-top: 1rem;

  width: 80%;

  margin: auto;

}

app.component.html

<app-header></app-header>

<main>

  <app-post-create (postCreated)="onPostAdded($event)"></app-post-create>

  <app-post-list [posts]="storedPosts"></app-post-list>

</main>

app.component.ts

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

import { Post } from './posts/post.model';

@Component({

  selector: 'app-root',

  templateUrl: './app.component.html',

  styleUrls: ['./app.component.css']

})

export class AppComponent {

  storedPosts: Post[] = [];

  onPostAdded(post) {

    this.storedPosts.push(post);

  }

}

app.module.ts

import { BrowserModule } from "@angular/platform-browser";

import { BrowserAnimationsModule } from "@angular/platform-browser/animations";

import { NgModule } from "@angular/core";

import { FormsModule } from "@angular/forms";

import {MatInputModule} from '@angular/material/input';

import {MatCardModule} from '@angular/material/card';

import {MatButtonModule} from '@angular/material/button';

import {MatToolbarModule} from '@angular/material/toolbar';

import {

  MatExpansionModule

} from "@angular/material/expansion";

import { AppComponent } from "./app.component";

import { PostCreateComponent } from "./posts/post-create/post-create.component";

import { HeaderComponent } from "./header/header.component";

import { PostListComponent } from "./posts/post-list/post-list.component";

@NgModule({

  declarations: [

    AppComponent,

    PostCreateComponent,

    HeaderComponent,

    PostListComponent

  ],

  imports: [

    BrowserModule,

    FormsModule,

    BrowserAnimationsModule,

    MatInputModule,

    MatCardModule,

    MatButtonModule,

    MatToolbarModule,

    MatExpansionModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule {}

header folder

header.component.html

<mat-toolbar color="primary">MyMessages</mat-toolbar>

header.component.ts

import { Component } from "@angular/core";

@Component({

  selector: 'app-header',

  templateUrl: './header.component.html'

})

export class HeaderComponent {}