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Emp Id: 11958

Chrome 121.0.0.0 (Windows 10): Executed 31 of 31 **SUCCESS** (0.951 secs / 0.89 secs)
TOTAL: 31 SUCCESS

← → ↻ ⓘ localhost:9876/?id=18844642

Karma v 6.4.2 - connected; test: complete;

Chrome 121.0.0.0 (Windows 10) is idle

 **Jasmine** 4.6.0
.....

31 specs, 0 failures, randomized with seed 68853

```
DialogComponent
  • Insert Event Form GUI count
  • Testing Update Event Form valid
  • Testing Insert Event Form valid
  • Insert Event Form Button GUI count
  • Insert Event Component Test
  • should have as title 'Dialog Component'

GuestComponent
  • should have as title 'Guest Component'
  • Testing Guest Component

EventListComponent
  • Event List Component Button GUI count
  • Testing EventList Component
  • should have as title 'Event List Component'

LoginComponent
  • Login Component Button GUI count
  • should have as title 'Login Component'
  • Login Form GUI count
  • Testing Login Component

ParticipantComponent
  • Testing Participant Component
  • Participant Form GUI count
  • Participant Component Button GUI count
  • should have as title 'Participant Component'

EventsComponent
  • Events Component Button GUI count
  • Testing Events Component
  • should have as title 'Events Component'

ParticipantListComponent
  • Participant List Form GUI count
  • Participant List Component Button GUI count
  • should have as title 'Participant List Component'
  • Testing Participant Component

RegisterComponent
  • Testing Register Form valid
  • Register form valid by invalid data
  • Insert Register Form Button GUI count
  • Insert Register Component Test
  • Insert Event Form GUI count
```

Dailog.component.spec.ts

```
import { ComponentFixture, TestBed } from '@angular/core/testing';
```

```
import { DialogComponent } from '../dialog.component';
```

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

```
import { AppRoutingModuleModule } from '../app-routing.module';
```

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

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

```
import { ReactiveFormsModule, FormsModule } from '@angular/forms';
```

```
import { MatButtonModule } from '@angular/material/button';
import { MatCardModule } from '@angular/material/card';
import { MatNativeDateModule } from '@angular/material/core';
import { MatDatepickerModule } from '@angular/material/datepicker';
import { MatDialogModule, MAT_DIALOG_DATA, MatDialogRef } from
 '@angular/material/dialog';
import { MatFormFieldModule } from '@angular/material/form-field';
import { MatIconModule } from '@angular/material/icon';
import { MatInputModule } from '@angular/material/input';
import { MatPaginatorModule } from '@angular/material/paginator';
import { MatRadioModule } from '@angular/material/radio';
import { MatSelectModule } from '@angular/material/select';
import { MatSortModule } from '@angular/material/sort';
import { MatTableModule } from '@angular/material/table';
import { MatToolbarModule } from '@angular/material/toolbar';
import { HttpClientTestingModule, HttpTestingController } from
 '@angular/common/http/testing';
import { DataService } from '../service/data1.service';
import { ApiService } from '../service/api.service';
import { DataService } from '../service/data.service';
import { LoginService } from '../service/login.service';
import { RegisterService } from '../service/register.service';
import { EventsComponent } from '../events/events.component';
import { AppComponent } from '../app.component';
import { EventlistComponent } from '../eventlist/eventlist.component';
import { GuestComponent } from '../guest/guest.component';
import { LoginComponent } from '../login/login.component';
import { ParticipantComponent } from
 '../participant/participant.component';
import { ParticipantlistComponent } from
 '../participantlist/participantlist.component';
```

```

import { RegisterComponent } from '../register/register.component';

describe('DialogComponent', () => {
  let component: DialogComponent;
  let fixture: ComponentFixture<DialogComponent>;

  beforeEach(() => {
    TestBed.configureTestingModule({
      declarations: [DialogComponent, AppComponent,
        RegisterComponent,
        LoginComponent,
        EventsComponent,
        EventlistComponent,
        ParticipantComponent,
        ParticipantlistComponent,
        GuestComponent],
      imports: [BrowserModule,
        AppRoutingModule,
        BrowserAnimationsModule, MatToolbarModule, MatIconModule,
        MatSelectModule, MatButtonModule, MatDialogModule,
        MatFormFieldModule, MatInputModule, MatDatepickerModule,
        MatNativeDateModule, MatRadioModule, ReactiveFormsModule,
        FormsModule,
        HttpClientModule, MatTableModule, MatPaginatorModule,
        MatSortModule, MatCardModule, HttpClientTestingModule],
      providers: [
        { provide: MAT_DIALOG_DATA, useValue: {} },
        { provide: MatDialogRef, useValue: {} },
        DataService, ApiService, DataService, LoginService, RegisterService
      ]
    });
  });
});

```

```
});  
  
  fixture = TestBed.createComponent(DialogComponent);  
  component = fixture.componentInstance;  
  fixture.detectChanges();  
});
```

```
it(`should have as title 'Dialog Component'`, () => {  
  const fixture = TestBed.createComponent(DialogComponent);  
  const app = fixture.componentInstance;  
  expect(app.title).toEqual('Dialog Component');  
});
```

```
it('Insert Event Component Test', () => {  
  const fixture = TestBed.createComponent(DialogComponent);  
  const Event = fixture.componentInstance;  
  expect(Event).toBeTruthy();  
});
```

```
it('Insert Event Form GUI count', () => {  
  const fixture = TestBed.createComponent(DialogComponent);  
  const formElement =  
  fixture.debugElement.nativeElement.querySelector("#eventForm");  
  const inputElements = formElement.querySelectorAll("input");  
  expect(inputElements.length).toEqual(6);  
});
```

```
it('Testing Insert Event Form valid', () => {
```

```

const fixture = TestBed.createComponent(DialogComponent);
const Event = fixture.componentInstance;
Event.eventForm.controls?['eventId'].setValue("201");
Event.eventForm.controls?['eventName'].setValue("Valan Conference");
Event.eventForm.controls?['eventType'].setValue("Business");

Event.eventForm.controls?['eventDate'].setValue("2024-02-13T18:30:00.000Z");

Event.eventForm.controls?['eventTime'].setValue("10.00 AM");
Event.eventForm.controls?['eventVenue'].setValue("Bangalore");
Event.eventForm.controls?['email'].setValue("valan@gmail.com");
expect(Event.eventForm.valid).toBeTruthy();
});

it('Testing Update Event Form valid', () => {
const fixture = TestBed.createComponent(DialogComponent);
const Event = fixture.componentInstance;
Event.eventForm.controls?['eventId'].setValue("201");
Event.eventForm.controls?['eventName'].setValue("Valan Conference");
Event.eventForm.controls?['eventType'].setValue("Business");

Event.eventForm.controls?['eventDate'].setValue("2024-02-13T18:30:00.000Z");

Event.eventForm.controls?['eventTime'].setValue("10.00 AM");
Event.eventForm.controls?['eventVenue'].setValue("Bangalore");
Event.eventForm.controls?['email'].setValue("valan@gmail.com");
expect(Event.eventForm.valid).toBeTruthy();
});

```

```

    it('Insert Event Form Button GUI count', () => {

        const fixture = TestBed.createComponent(DialogComponent);

        const formElement =
        fixture.debugElement.nativeElement.querySelector("#eventForm");

        const inputElements = formElement.querySelectorAll("mat-option");

        expect(inputElements.length).toEqual(0);

    });

});

```

Eventlist.component.spec.ts:

```

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { EventlistComponent } from './eventlist.component';
import { HttpClientModule } from '@angular/common/http';
import { HttpClientTestingModule } from '@angular/common/http/testing';
import { ReactiveFormsModule, FormsModule } from '@angular/forms';
import { MatButtonModule } from '@angular/material/button';
import { MatCardModule } from '@angular/material/card';
import { MatNativeDateModule } from '@angular/material/core';
import { MatDatepickerModule } from '@angular/material/datepicker';
import { MatDialogModule } from '@angular/material/dialog';
import { MatFormFieldModule } from '@angular/material/form-field';
import { MatIconModule } from '@angular/material/icon';
import { MatInputModule } from '@angular/material/input';
import { MatPaginatorModule } from '@angular/material/paginator';
import { MatRadioModule } from '@angular/material/radio';
import { MatSelectModule } from '@angular/material/select';
import { MatSortModule } from '@angular/material/sort';

```

```
import { MatTableModule } from '@angular/material/table';
import { MatToolbarModule } from '@angular/material/toolbar';
import { BrowserModule } from '@angular/platform-browser';
import { BrowserAnimationsModule } from
 '@angular/platform-browser/animations';
import { AppRoutingModuleModule } from '../app-routing.module';
import { AppComponent } from '../app.component';
import { EventsComponent } from '../events/events.component';
import { GuestComponent } from '../guest/guest.component';
import { LoginComponent } from '../login/login.component';
import { ParticipantComponent } from
 '../participant/participant.component';
import { ParticipantlistComponent } from
 '../participantlist/participantlist.component';
import { RegisterComponent } from '../register/register.component';
```

```
describe('EventlistComponent', () => {
  let component: EventlistComponent;
  let fixture: ComponentFixture<EventlistComponent>;

  beforeEach(() => {
    TestBed.configureTestingModule({
      declarations: [EventlistComponent, AppComponent,
        RegisterComponent,
        LoginComponent,
        EventsComponent,
        EventlistComponent,
        ParticipantComponent,
        ParticipantlistComponent,
        GuestComponent
      ],
```

```

imports:[BrowserModule,
  AppRoutingModule,
  BrowserAnimationsModule, MatToolbarModule, MatIconModule,
  MatSelectModule,MatButtonModule, MatDialogModule,
  MatFormFieldModule, MatInputModule, MatDatepickerModule,
  MatNativeDateModule, MatRadioModule, ReactiveFormsModule,
FormsModule,
  HttpClientModule, MatTableModule, MatPaginatorModule,
MatSortModule, MatCardModule, HttpClientTestingModule]

  });

  fixture = TestBed.createComponent(EventListComponent);
  component = fixture.componentInstance;
  fixture.detectChanges();
});

it(`should have as title 'Event List Component'`, () => {
  const fixture = TestBed.createComponent(EventListComponent);
  const app = fixture.componentInstance;
  expect(app.title).toEqual('Event List Component');
});

it('Testing EventList Component', () => {
  const fixture = TestBed.createComponent(EventListComponent);
  const Event = fixture.componentInstance;
  expect(Event).toBeTruthy();
});

it('Event List Component Button GUI count', () => {
  const fixture = TestBed.createComponent(EventsComponent);
  const formElement =
fixture.debugElement.nativeElement.querySelector("#eventForm");

```



```
    const inputElements = formElement.querySelectorAll("button");
    expect(inputElements.length).toEqual(0);
  });
});
```

Events.component.spec.ts:

```
import { ComponentFixture, TestBed } from '@angular/core/testing';

import { HttpClientModule } from '@angular/common/http';
import { HttpClientTestingModule } from '@angular/common/http/testing';
import { ReactiveFormsModule, FormsModule } from '@angular/forms';
import { MatButtonModule } from '@angular/material/button';
import { MatCardModule } from '@angular/material/card';
import { MatNativeDateModule } from '@angular/material/core';
import { MatDatepickerModule } from '@angular/material/datepicker';
import { MatDialogModule } from '@angular/material/dialog';
import { MatFormFieldModule } from '@angular/material/form-field';
import { MatIconModule } from '@angular/material/icon';
import { MatInputModule } from '@angular/material/input';
import { MatPaginatorModule } from '@angular/material/paginator';
import { MatRadioModule } from '@angular/material/radio';
import { MatSelectModule } from '@angular/material/select';
import { MatSortModule } from '@angular/material/sort';
import { MatTableModule } from '@angular/material/table';
import { MatToolbarModule } from '@angular/material/toolbar';
import { BrowserModule } from '@angular/platform-browser';
import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
import { AppRoutingModuleModule } from '../app-routing.module';
```

```

import { AppComponent } from '../app.component';
import { EventsComponent } from '../events/events.component';
import { GuestComponent } from '../guest/guest.component';
import { LoginComponent } from '../login/login.component';
import { ParticipantComponent } from
'../participant/participant.component';
import { ParticipantlistComponent } from
'../participantlist/participantlist.component';
import { RegisterComponent } from '../register/register.component';
import { EventlistComponent } from '../eventlist/eventlist.component';

describe('EventsComponent', () => {
  let component: EventsComponent;
  let fixture: ComponentFixture<EventsComponent>;

  beforeEach(() => {
    TestBed.configureTestingModule({
      declarations: [EventlistComponent, AppComponent,
        RegisterComponent,
        LoginComponent,
        EventsComponent,
        ParticipantComponent,
        ParticipantlistComponent,
        GuestComponent
      ],
      imports: [BrowserModule,
        AppRoutingModule,
        BrowserAnimationsModule, MatToolbarModule, MatIconModule,
        MatSelectModule, MatButtonModule, MatDialogModule,
        MatFormFieldModule, MatInputModule, MatDatepickerModule,

```

```
    MatNativeDateModule, MatRadioModule, ReactiveFormsModule,  
    FormsModule,
```

```
    HttpClientModule, MatTableModule, MatPaginatorModule,  
    MatSortModule, MatCardModule, HttpClientTestingModule]
```

```
    });
```

```
    fixture = TestBed.createComponent(EventsComponent);
```

```
    component = fixture.componentInstance;
```

```
    fixture.detectChanges();
```

```
    });
```

```
it(`should have as title 'Events Component'`, () => {
```

```
    const fixture = TestBed.createComponent(EventsComponent);
```

```
    const app = fixture.componentInstance;
```

```
    expect(app.title).toEqual('Events Component');
```

```
});
```

```
it('Testing Events Component', () => {
```

```
    const fixture = TestBed.createComponent(EventsComponent);
```

```
    const Event = fixture.componentInstance;
```

```
    expect(Event).toBeTruthy();
```

```
});
```

```
it('Events Component Button GUI count', () => {
```

```
    const fixture = TestBed.createComponent(EventsComponent);
```

```
    const formElement =
```

```
    fixture.debugElement.nativeElement.querySelector("#eventForm");
```

```
    const inputElements = formElement.querySelectorAll("button");
```

```
    expect(inputElements.length).toEqual(0);
```

```
});
```

```
});
```

Guest.component.spec.ts:

```
import { ComponentFixture, TestBed } from '@angular/core/testing';

import { HttpClientModule } from '@angular/common/http';
import { HttpClientTestingModule } from '@angular/common/http/testing';
import { ReactiveFormsModule, FormsModule } from '@angular/forms';
import { MatButtonModule } from '@angular/material/button';
import { MatCardModule } from '@angular/material/card';
import { MatNativeDateModule } from '@angular/material/core';
import { MatDatepickerModule } from '@angular/material/datepicker';
import { MatDialogModule } from '@angular/material/dialog';
import { MatFormFieldModule } from '@angular/material/form-field';
import { MatIconModule } from '@angular/material/icon';
import { MatInputModule } from '@angular/material/input';
import { MatPaginatorModule } from '@angular/material/paginator';
import { MatRadioModule } from '@angular/material/radio';
import { MatSelectModule } from '@angular/material/select';
import { MatSortModule } from '@angular/material/sort';
import { MatTableModule } from '@angular/material/table';
import { MatToolbarModule } from '@angular/material/toolbar';
import { BrowserModule } from '@angular/platform-browser';
```

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

import { AppRoutingModuleModule } from '../app-routing.module';

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

import { EventsComponent } from '../events/events.component';

import { GuestComponent } from '../guest/guest.component';

import { LoginComponent } from '../login/login.component';

import { ParticipantComponent } from
 '../participant/participant.component';

import { ParticipantlistComponent } from
 '../participantlist/participantlist.component';

import { RegisterComponent } from '../register/register.component';

import { EventlistComponent } from '../eventlist/eventlist.component';
```

```
describe('GuestComponent', () => {

  let component: GuestComponent;

  let fixture: ComponentFixture<GuestComponent>;

  beforeEach(() => {

    TestBed.configureTestingModule({

      declarations: [EventlistComponent, AppComponent,

        RegisterComponent,

        LoginComponent,

        EventsComponent,

        ParticipantComponent,

        ParticipantlistComponent,

        GuestComponent

      ],

      imports: [BrowserModule,

        AppRoutingModuleModule,

        BrowserAnimationsModule, MatToolbarModule, MatIconModule,
```

```

        MatSelectModule, MatButtonModule, MatDialogModule,
        MatFormFieldModule, MatInputModule, MatDatepickerModule,
        MatNativeDateModule, MatRadioModule, ReactiveFormsModule,
FormsModule,

        HttpClientModule, MatTableModule, MatPaginatorModule,
MatSortModule, MatCardModule, HttpClientTestingModule]
    });

    fixture = TestBed.createComponent(GuestComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
});

it(`should have as title 'Guest Component'`, () => {
    const fixture = TestBed.createComponent(GuestComponent);
    const app = fixture.componentInstance;
    expect(app.title).toEqual('Guest Component');
});

it('Testing Guest Component', () => {
    const fixture = TestBed.createComponent(GuestComponent);
    const Event = fixture.componentInstance;
    expect(Event).toBeTruthy();
});

});

```

Login.component.spec.ts:

```
import { ComponentFixture, TestBed } from '@angular/core/testing';

import { HttpClientModule } from '@angular/common/http';
import { HttpClientTestingModule } from '@angular/common/http/testing';
import { ReactiveFormsModule, FormsModule } from '@angular/forms';
import { MatButtonModule } from '@angular/material/button';
import { MatCardModule } from '@angular/material/card';
import { MatNativeDateModule } from '@angular/material/core';
import { MatDatepickerModule } from '@angular/material/datepicker';
import { MatDialogModule } from '@angular/material/dialog';
import { MatFormFieldModule } from '@angular/material/form-field';
import { MatIconModule } from '@angular/material/icon';
import { MatInputModule } from '@angular/material/input';
import { MatPaginatorModule } from '@angular/material/paginator';
import { MatRadioModule } from '@angular/material/radio';
import { MatSelectModule } from '@angular/material/select';
import { MatSortModule } from '@angular/material/sort';
import { MatTableModule } from '@angular/material/table';
import { MatToolbarModule } from '@angular/material/toolbar';
import { BrowserModule } from '@angular/platform-browser';
import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
import { AppRoutingModuleModule } from '../app-routing.module';
import { AppComponent } from '../app.component';
import { EventsComponent } from '../events/events.component';
import { GuestComponent } from '../guest/guest.component';
import { LoginComponent } from '../login/login.component';
import { ParticipantComponent } from '../participant/participant.component';
```

```

import { ParticipantlistComponent } from
'../participantlist/participantlist.component';

import { RegisterComponent } from '../register/register.component';
import { EventlistComponent } from '../eventlist/eventlist.component';

describe('LoginComponent', () => {
  let component: LoginComponent;
  let fixture: ComponentFixture<LoginComponent>;

  beforeEach(() => {
    TestBed.configureTestingModule({
      declarations: [EventlistComponent, AppComponent,
        RegisterComponent,
        LoginComponent,
        EventsComponent,
        ParticipantComponent,
        ParticipantlistComponent,
        GuestComponent
      ],
      imports: [BrowserModule,
        AppRoutingModule,
        BrowserAnimationsModule, MatToolbarModule, MatIconModule,
        MatSelectModule, MatButtonModule, MatDialogModule,
        MatFormFieldModule, MatInputModule, MatDatepickerModule,
        MatNativeDateModule, MatRadioModule, ReactiveFormsModule,
        FormsModule,
        HttpClientModule, MatTableModule, MatPaginatorModule,
        MatSortModule, MatCardModule, HttpClientTestingModule]
    });

    fixture = TestBed.createComponent(LoginComponent);
    component = fixture.componentInstance;
  });

```



```
    fixture.detectChanges();  
  });
```

```
it(`should have as title 'Login Component'`, () => {  
  const fixture = TestBed.createComponent(LoginComponent);  
  const app = fixture.componentInstance;  
  expect(app.title).toEqual('Login Component');  
});
```

```
it('Testing Login Component', () => {  
  const fixture = TestBed.createComponent(GuestComponent);  
  const Event = fixture.componentInstance;  
  expect(Event).toBeTruthy();  
});
```

```
it('Login Form GUI count', () => {  
  const fixture = TestBed.createComponent(LoginComponent);  
  const formElement =  
  fixture.debugElement.nativeElement.querySelector("#loginForm");  
  const inputElements = formElement.querySelectorAll("input");  
  expect(inputElements.length).toEqual(2);  
});
```

```
it('Login Component Button GUI count', () => {  
  const fixture = TestBed.createComponent(LoginComponent);  
  const formElement =  
  fixture.debugElement.nativeElement.querySelector("#loginForm");  
  const inputElements = formElement.querySelectorAll("button");  
  expect(inputElements.length).toEqual(1);  
});
```

```
});
```

Participant.component.spec.ts:

```
import { ComponentFixture, TestBed } from '@angular/core/testing';

import { HttpClientModule } from '@angular/common/http';
import { HttpClientTestingModule } from '@angular/common/http/testing';
import { ReactiveFormsModule, FormsModule } from '@angular/forms';
import { MatButtonModule } from '@angular/material/button';
import { MatCardModule } from '@angular/material/card';
import { MatNativeDateModule } from '@angular/material/core';
import { MatDatepickerModule } from '@angular/material/datepicker';
import { MatDialogModule } from '@angular/material/dialog';
import { MatFormFieldModule } from '@angular/material/form-field';
import { MatIconModule } from '@angular/material/icon';
import { MatInputModule } from '@angular/material/input';
import { MatPaginatorModule } from '@angular/material/paginator';
import { MatRadioModule } from '@angular/material/radio';
import { MatSelectModule } from '@angular/material/select';
import { MatSortModule } from '@angular/material/sort';
import { MatTableModule } from '@angular/material/table';
import { MatToolbarModule } from '@angular/material/toolbar';
import { BrowserModule } from '@angular/platform-browser';
import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
import { AppRoutingModuleModule } from '../app-routing.module';
import { AppComponent } from '../app.component';
import { EventsComponent } from '../events/events.component';
```

```

import { GuestComponent } from '../guest/guest.component';
import { LoginComponent } from '../login/login.component';
import { ParticipantComponent } from
'../participant/participant.component';
import { ParticipantlistComponent } from
'../participantlist/participantlist.component';
import { RegisterComponent } from '../register/register.component';
import { EventlistComponent } from '../eventlist/eventlist.component';

describe('ParticipantComponent', () => {
  let component: ParticipantComponent;
  let fixture: ComponentFixture<ParticipantComponent>;

  beforeEach(() => {
    TestBed.configureTestingModule({
      declarations: [EventlistComponent, AppComponent,
        RegisterComponent,
        LoginComponent,
        EventsComponent,
        ParticipantComponent,
        ParticipantlistComponent,
        GuestComponent
      ],
      imports: [BrowserModule,
        AppRoutingModule,
        BrowserAnimationsModule, MatToolbarModule, MatIconModule,
        MatSelectModule, MatButtonModule, MatDialogModule,
        MatFormFieldModule, MatInputModule, MatDatepickerModule,
        MatNativeDateModule, MatRadioModule, ReactiveFormsModule,
        FormsModule,

```

```

        HttpClientModule, MatTableModule, MatPaginatorModule,
MatSortModule, MatCardModule, HttpClientTestingModule]

    });

    fixture = TestBed.createComponent(ParticipantComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
});

it(`should have as title 'Participant Component'`, () => {
    const fixture = TestBed.createComponent(ParticipantComponent);
    const app = fixture.componentInstance;
    expect(app.title).toEqual('Participant Component');
});

it('Testing Participant Component', () => {
    const fixture = TestBed.createComponent(ParticipantComponent);
    const Event = fixture.componentInstance;
    expect(Event).toBeTruthy();
});

it('Participant Form GUI count', () => {
    const fixture = TestBed.createComponent(ParticipantComponent);
    const formElement =
fixture.debugElement.nativeElement.querySelector("#pForm");
    const inputElements = formElement.querySelectorAll("input");
    expect(inputElements.length).toEqual(4);
});

it('Participant Component Button GUI count', () => {
    const fixture = TestBed.createComponent(ParticipantComponent);

```

```

    const formElement =
fixture.debugElement.nativeElement.querySelector("#pForm");

    const inputElements = formElement.querySelectorAll("button");

    expect(inputElements.length).toEqual(1);

  });

});

```

Participantlist.component.spec.ts:

```

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { HttpClientModule } from '@angular/common/http';
import { HttpClientTestingModule } from '@angular/common/http/testing';
import { ReactiveFormsModule, FormsModule } from '@angular/forms';
import { MatButtonModule } from '@angular/material/button';
import { MatCardModule } from '@angular/material/card';
import { MatNativeDateModule } from '@angular/material/core';
import { MatDatepickerModule } from '@angular/material/datepicker';
import { MatDialogModule } from '@angular/material/dialog';
import { MatFormFieldModule } from '@angular/material/form-field';
import { MatIconModule } from '@angular/material/icon';
import { MatInputModule } from '@angular/material/input';
import { MatPaginatorModule } from '@angular/material/paginator';
import { MatRadioModule } from '@angular/material/radio';
import { MatSelectModule } from '@angular/material/select';
import { MatSortModule } from '@angular/material/sort';
import { MatTableModule } from '@angular/material/table';
import { MatToolbarModule } from '@angular/material/toolbar';
import { BrowserModule } from '@angular/platform-browser';

```

```

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

import { AppRoutingModuleModule } from '../app-routing.module';

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

import { EventsComponent } from '../events/events.component';

import { GuestComponent } from '../guest/guest.component';

import { LoginComponent } from '../login/login.component';

import { ParticipantComponent } from
'../participant/participant.component';

import { ParticipantlistComponent } from
'../participantlist/participantlist.component';

import { RegisterComponent } from '../register/register.component';

import { EventlistComponent } from '../eventlist/eventlist.component';

```

```

describe('ParticipantlistComponent', () => {

```

```

    let component: ParticipantlistComponent;

```

```

    let fixture: ComponentFixture<ParticipantlistComponent>;

```

```

    beforeEach(() => {

```

```

        TestBed.configureTestingModule({

```

```

            declarations: [EventlistComponent, AppComponent,

```

```

                RegisterComponent,

```

```

                LoginComponent,

```

```

                EventsComponent,

```

```

                ParticipantComponent,

```

```

                ParticipantlistComponent,

```

```

                GuestComponent

```

```

            ],

```

```

            imports: [BrowserModule,

```

```

                AppRoutingModuleModule,

```

```

                BrowserAnimationsModule, MatToolbarModule, MatIconModule,

```

```

        MatSelectModule, MatButtonModule, MatDialogModule,
        MatFormFieldModule, MatInputModule, MatDatepickerModule,
        MatNativeDateModule, MatRadioModule, ReactiveFormsModule,
FormsModule,

        HttpClientModule, MatTableModule, MatPaginatorModule,
MatSortModule, MatCardModule, HttpClientTestingModule]
    });

    fixture = TestBed.createComponent(ParticipantlistComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
});

it(`should have as title 'Participant List Component'`, () => {
    const fixture = TestBed.createComponent(ParticipantlistComponent);
    const app = fixture.componentInstance;
    expect(app.title).toEqual('Participant List Component');
});

it('Testing Participant Component', () => {
    const fixture = TestBed.createComponent(ParticipantlistComponent);
    const Event = fixture.componentInstance;
    expect(Event).toBeTruthy();
});

it('Participant List Form GUI count', () => {
    const fixture = TestBed.createComponent(ParticipantlistComponent);
    const formElement =
fixture.debugElement.nativeElement.querySelector("#pForm");
    const inputElements = formElement.querySelectorAll("input");
    expect(inputElements.length).toEqual(3);
});

```

```

    it('Participant List Component Button GUI count', () => {
        const fixture = TestBed.createComponent(ParticipantlistComponent);
        const formElement =
        fixture.debugElement.nativeElement.querySelector("#pForm");
        const inputElements = formElement.querySelectorAll("button");
        expect(inputElements.length).toEqual(3);
    });
});

```

Register.component.spec.ts:

```

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { BrowserModule } from '@angular/platform-browser';
import { AppRoutingModuleModule } from '../app-routing.module';
import { BrowserAnimationsModule } from
 '@angular/platform-browser/animations';
import { HttpClientModule } from '@angular/common/http';
import { ReactiveFormsModule, FormsModule } from '@angular/forms';
import { MatButtonModule } from '@angular/material/button';
import { MatCardModule } from '@angular/material/card';
import { MatNativeDateModule } from '@angular/material/core';
import { MatDatepickerModule } from '@angular/material/datepicker';
import { MatDialogModule, MAT_DIALOG_DATA, MatDialogRef } from
 '@angular/material/dialog';
import { MatFormFieldModule } from '@angular/material/form-field';
import { MatIconModule } from '@angular/material/icon';
import { MatInputModule } from '@angular/material/input';

```



```

import { MatPaginatorModule } from '@angular/material/paginator';
import { MatRadioModule } from '@angular/material/radio';
import { MatSelectModule } from '@angular/material/select';
import { MatSortModule } from '@angular/material/sort';
import { MatTableModule } from '@angular/material/table';
import { MatToolbarModule } from '@angular/material/toolbar';
import { HttpClientTestingModule, HttpTestingController } from
'@angular/common/http/testing';

import { DataService } from '../service/data.service';
import { ApiService } from '../service/api.service';
import { DataService } from '../service/data.service';
import { LoginService } from '../service/login.service';
import { RegisterService } from '../service/register.service';
import { EventsComponent } from '../events/events.component';
import { AppComponent } from '../app.component';
import { EventlistComponent } from '../eventlist/eventlist.component';
import { GuestComponent } from '../guest/guest.component';
import { LoginComponent } from '../login/login.component';
import { ParticipantComponent } from
'../participant/participant.component';
import { ParticipantlistComponent } from
'../participantlist/participantlist.component';
import { RegisterComponent } from '../register/register.component';
import { DialogComponent } from '../dialog/dialog.component';

describe('RegisterComponent', () => {
  let component: RegisterComponent;
  let fixture: ComponentFixture<RegisterComponent>;

  beforeEach(() => {
    TestBed.configureTestingModule({

```

```

    declarations: [DialogComponent,AppComponent,
        RegisterComponent,
        LoginComponent,
        EventsComponent,
        EventlistComponent,
        ParticipantComponent,
        ParticipantlistComponent,
        GuestComponent],
    imports:[BrowserModule,
        AppRoutingModule,
        BrowserAnimationsModule, MatToolbarModule, MatIconModule,
        MatSelectModule,MatButtonModule, MatDialogModule,
        MatFormFieldModule, MatInputModule, MatDatepickerModule,
        MatNativeDateModule, MatRadioModule, ReactiveFormsModule,
FormsModule,
        HttpClientModule, MatTableModule, MatPaginatorModule,
MatSortModule, MatCardModule, HttpClientTestingModule],
    providers:[
        { provide: MAT_DIALOG_DATA, useValue: {} },
        { provide: MatDialogRef, useValue: {} },
        DataService,ApiService,DataService,LoginService,RegisterService
    ]
});

fixture = TestBed.createComponent(RegisterComponent);
component = fixture.componentInstance;
fixture.detectChanges();

});

it(`should have as title 'Register Form Component'`, () => {
    const fixture = TestBed.createComponent(RegisterComponent);

```

```
    const app = fixture.componentInstance;
    expect(app.title).toEqual('Register Component');
  });
```

```
it('Insert Register Component Test', () => {
  const fixture = TestBed.createComponent(RegisterComponent);
  const Event = fixture.componentInstance;
  expect(Event).toBeTruthy();
});
```

```
it('Insert Event Form GUI count', () => {
  const fixture = TestBed.createComponent(RegisterComponent);
  const formElement =
  fixture.debugElement.nativeElement.querySelector("#ngForm");
  const inputElements = formElement.querySelectorAll("input");
  expect(inputElements.length).toEqual(2);
});
```

```
it('Testing Register Form valid', () => {
  const fixture = TestBed.createComponent(RegisterComponent);
  const Register = fixture.componentInstance;
  Register.myform.controls?.['email'].setValue("purus@gmail.com");
  Register.myform.controls?.['password'].setValue("purus123");
  expect(Register.myform.valid).toBeTruthy();
});
```

```
it('Insert Register Form Button GUI count', () => {
```

```
    const fixture = TestBed.createComponent(RegisterComponent);

    const formElement =
fixture.debugElement.nativeElement.querySelector("#ngForm");

    const inputElements = formElement.querySelectorAll("mat-option");

    expect(inputElements.length).toEqual(0);

  });
```

```
it('Register form valid by invalid data', () => {

  const fixture = TestBed.createComponent(RegisterComponent);

  const app = fixture.componentInstance;

  app.myform.controls?.['email'].setValue(" ");

  app.myform.controls?.['password'].setValue(" ");

  expect(app.myform.valid).toBeTruthy();

})
```

```
});
```