

Escuela Politécnica Nacional

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Prueba Bimestral 1

Main.ts

```
import { bootstrapApplication } from '@angular/platform-browser';
import { RouteReuseStrategy, provideRouter, withPreloading, PreloadAllModules } from '@angular/router';
import { IonicRouteStrategy, provideIonicAngular } from '@ionic/angular/standalone';

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

import { provideFirebaseApp, initializeApp } from '@angular/fire/app';
import { provideFirestore, getFirestore } from '@angular/fire/firestore';
import { environment } from '../environments/environment';
import { enableProdMode, importProvidersFrom } from '@angular/core';
import { IonicModule } from '@ionic/angular';

if(environment.production){
  enableProdMode();
}

bootstrapApplication(AppComponent, {
  providers: [
    importProvidersFrom(IonicModule.forRoot({})),
    provideRouter(routes),
    provideFirebaseApp(()=>initializeApp(environment.firebaseConfig)),
    provideFirestore(() => getFirestore()),
  ],
});
```

Enviroments.ts

```
1 // This file can be replaced during build by using the `fileReplacements` array.
2 // `ng build` replaces `environment.ts` with `environment.prod.ts`.
3 // The list of file replacements can be found in `angular.json`.
4
5 export const environment = {
6   production: false,
7   firebaseConfig: {
8     apiKey: "AIzaSyARxN9Wbq_o92vV0d1oIpYgOaiNePTExBY",
9     authDomain: "pruebabimestral-56505.firebaseio.com",
10    projectId: "pruebabimestral-56505",
11    storageBucket: "pruebabimestral-56505.firebaseio.com",
12    messagingSenderId: "21346881105",
13    appId: "1:21346881105:web:bfa5f82427a3cc75aa3270",
14    measurementId: "G-2082RVFWXW"
15  }
16 };
17
18 /*
19  * For easier debugging in development mode, you can import the following file
20  * to ignore zone related error stack frames such as `zone.run`, `zoneDelegate.invokeTask`.
21  *
22  * This import should be commented out in production mode because it will have a negative impact
23  * on performance if an error is thrown.
24  */
```

Formulario Service.ts

```
import { Injectable } from '@angular/core';
import { Firestore, collection, addDoc, collectionData, query, orderBy } from '@angular/fire/firestore';
import { Observable } from 'rxjs';

export interface form {
  nombre: string;
  apellido: string;
  fechaNacimiento: Date;
  cedula: string;
  telefono: string;
  correo: string;
  direccion: string;
  institucion: string;
  genero:string
  edad: number;
  createdAt: number;
  sender: string;
}

@Injectable({
  providedIn: 'root'
})
export class FormularioService {
  constructor(private firestore: Firestore) {}

  agregarFormulario(data: form): Promise<any> {
    const formularioRef = collection(this.firestore, 'formularios');
    return addDoc(formularioRef, data);
  }

  obtenerFormularios(): Observable<form[]> {
    const formularioRef = collection(this.firestore, 'formularios');
    const q = query(formularioRef, orderBy('createdAt', 'desc'));
    return collectionData(q, { idField: 'id' }) as Observable<form[]>;
  }
}
```

Home.ts

```

import { Component, OnInit } from '@angular/core';
import { IonicModule } from '@ionic/angular';
import { FormBuilder, FormGroup, ReactiveFormsModule, Validators } from '@angular/forms';
import { CommonModule } from '@angular/common';
import { FormularioService, form } from '../services/formulario.service';

@Component({
  selector: 'app-home',
  standalone: true,
  templateUrl: 'home.page.html',
  styleUrls: ['home.page.scss'],
  imports: [IonicModule, CommonModule, ReactiveFormsModule]
})
export class HomePage implements OnInit {
  formulario!: FormGroup;

  constructor(
    private fb: FormBuilder,
    private formularioService: FormularioService
  ) {}

  ngOnInit() {
    this.formulario = this.fb.group({
      nombre: [''],
      apellido: [''],
      fechaNacimiento: [''],
      cedula: [''],
      telefono: [''],
      correo: [''],
      direccion: [''],
      institucion: [''],
      edad: [''],
      genero: ['']
    });
  }
}

```

```

enviarFormulario() {
  if (this.formulario.invalid) return;

  const data: form = {
    ...this.formulario.value,
    createdAt: Date.now(),
    sender: 'Invitado'
  };

  this.formularioService.agregarFormulario(data)
    .then(() => {
      console.log('Formulario enviado correctamente');
      this.formulario.reset();
    })
    .catch(error => {
      console.error('Error al enviar formulario:', error);
    });
}

```

Formulario Ejecucion

Formulario Firebase

Nombre

Apellido

Cedula

Telefono

Correo

Institucion

Direccion

Edad

Fecha de Nacimiento

Género

Enviar

Formulario Firebase

Nombre

Apellido

Cedula

Telefono

Correo

Institucion

Direccion

Edad

Fecha de Nacimiento

Género

Masculino

Enviar

Base de Datos

🏠 > formularios > GjuidsBevxx2k...			☁ Más funciones en Google Cloud
(default)	formularios		GjuidsBevxx2kWhgXIXx
+ Iniciar colección	+ Agregar documento		+ Iniciar colección
formularios >	GjuidsBevxx2kWhgXIXx >		+ Agregar campo
	VbX9ecYJI1B89A5G1iNa zK1xHi0g6dFtncM10qgv		apellido: "Perez" cedula: "1754553202" correo: "carlos.perez02@epn.edu.ec" createdAt: 1746737501073 direccion: "Prensa" edad: 20 fechaNacimiento: "20004-08-06" genero: "M" institucion: "Escuela Politecnica Nacional" nombre: "Carlos" sender: "Invitado" telefono: "0986508495"