Escuela Politécnica Nacional

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Fecha: 8/05/2025

Prueba Bimestral 1

Main.ts

```typescript
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

```typescript
// This file can be replaced during build by using the `fileReplacements` array.
// `ng build` replaces `environment.ts` with `environment.prod.ts`.
// The list of file replacements can be found in `angular.json`.

export const environment = {
  production: false,
  firebaseConfig : {
    apiKey: "AIzaSyARxN9Wbq_o92vV0d1oLpYgOAiNePTExBY",
    authDomain: "pruebabimestral-56505.firebaseapp.com",
    projectId: "pruebabimestral-56505",
    storageBucket: "pruebabimestral-56505.firebasestorage.app",
    messagingSenderId: "21346881105",
    appId: "1:21346881105:web:bfa5f82427a3cc75aa3270",
    measurementId: "G-2082RVFWXW"
  }
};

/*
 * For easier debugging in development mode, you can import the following file
 * to ignore zone related error stack frames such as `zone.run`, `zoneDelegate.invokeTask`.
 *
 * This import should be commented out in production mode because it will have a negative impact
 * on performance if an error is thrown.
```

Formulario Service.ts

```typescript
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

```typescript
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: ['']
    });
  }
```

```typescript
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

[dd/mm/aaaa   📅]

Género

▼

[Enviar]

Formulario Firebase

Nombre

[Carlos]

Apellido

[Perez]

Cedula

[1754553202]

Telefono

[0986508495]

Correo

[carlos.perez02@epn.edu.]

Institucion

[Escuela Politecnica Nacic]

Direccion

[Prensa]

Edad

[20]

Fecha de Nacimiento

[06/08/20004   📅]

Género

Masculino

▼

[Enviar]

Base de Datos

🏠 > formularios > GjuidsBevxk2k...   ☁ Más funciones en Google Cloud ∨

⌂ (default)	📑 formularios ≡ ⋮	⊟ GjuidsBevxk2kWhgXIXx ⋮
+ Iniciar colección	+ Agregar documento	+ Iniciar colección
formularios >	⋮ GjuidsBevxk2kWhgXIXx >	+ Agregar campo
	VbX9ecYJI1B89A5G1iNa	apellido: "Perez"
	zK1xHi0g6dFtncMlOqgv	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"

Deploy APK

Formulario Firebase

Nombre

Carlos

Apellido

Pérez

Cedula

1754553202

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Institucion

Escuela Politécnica Nacional

Direccion

prensa

Edad

20

Fecha de Nacimiento

08/05/2025

Género   Masculino ▾

ENVIAR