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Experiment 04: To Create an Interactive Form

Aim:

To implement **user input forms** for authentication and profile editing.

Forms in Story Verse:

1. **Sign Up / Sign In Form**
   - Email & password fields.
   - Validation (empty check, email format).
2. **Edit Profile Form**
   - Username, email, password change.

Code Snippet (Auth Form):

```
Form(
  key: _formKey,
  child: Column(
    children: [
      TextFormField(
        decoration: InputDecoration(labelText: 'Email'),
        validator: (value) {
          if (value.isEmpty) return 'Email required';
          if (!RegExp(r'^[\w-\.]+@([\w-]+\.)+[\w-]{2,4}$').hasMatch(value))
            return 'Invalid email';
          return null;
        },
      ),
      TextFormField(
        decoration: InputDecoration(labelText: 'Password'),
        obscureText: true,
        validator: (value) {
          if (value.isEmpty) return 'Password required';
```

```
        if (value.length < 6) return 'Minimum 6 characters';
        return null;
      },
    ),
    ElevatedButton(
      onPressed: () {
        if (_formKey.currentState.validate()) {
          // Proceed with login
        }
      },
      child: Text('Sign In'),
    ),
  ],
),
```

Output Screenshot: