

Exp 2: Main.dart

```
import 'package:flutter/material.dart';

void main() => runApp(MaterialApp(
  home: CollegeldCard(),
));

class CollegeldCard extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.white,
      appBar: AppBar(
        title: Text('College ID Card'),
        centerTitle: true,
        backgroundColor: Colors.pink[900],
        elevation: 0.0,
      ),
      body: Padding(
        padding: const EdgeInsets.fromLTRB(30.0, 40.0, 30.0, 0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: <Widget>[
            Center(
              child: CircleAvatar(
                radius: 60.0,
                backgroundImage: AssetImage('img/picc.jpeg'),
              ),
            ),
            Divider(
              color: Colors.grey[800],
              height: 60.0,
            ),
            Text(
              'STUDENT NAME',
              style: TextStyle(
                color: Colors.grey,
                letterSpacing: 2.0,
              ),
            ),
            SizedBox(height: 10.0),
            Text(
              'Rutuja Navghane',
              style: TextStyle(
                color: Colors.pink[300],
                fontWeight: FontWeight.bold,
                fontSize: 18.0,
                letterSpacing: 2.0,
              ),
            ),
            SizedBox(height: 30.0),
            Text(
```

```

'COLLEGE ADDRESS',
style: TextStyle(
  color: Colors.grey,
  letterSpacing: 2.0,
),
),
 SizedBox(height: 10.0),
Text(
  'BVCOE Kharghar, Navi Mumbai',
  style: TextStyle(
    color: Colors.pink[300],
    fontWeight: FontWeight.bold,
    fontSize: 16.0,
    letterSpacing: 2.0,
  ),
),
),
 SizedBox(height: 30.0),
Text(
  'CURRENT ACADEMIC YEAR',
  style: TextStyle(
    color: Colors.grey,
    letterSpacing: 2.0,
  ),
),
),
 SizedBox(height: 10.0),
Text(
  'TE - Information Technology',
  style: TextStyle(
    color: Colors.pink[300],
    fontWeight: FontWeight.bold,
    fontSize: 16.0,
    letterSpacing: 2.0,
  ),
),
),
 SizedBox(height: 30.0),
Row(
  children: <Widget>[
    Icon(
      Icons.email,
      color: Colors.grey[400],
    ),
    SizedBox(width: 10.0),
    Text(
      'navghanerutuja@gmail.com',
      style: TextStyle(
        color: Colors.grey[400],
        fontSize: 18.0,
        letterSpacing: 1.0,
      ),
    ),
  ],
),
),
 SizedBox(height: 30.0),
Row(

```

```

children: <Widget>[
  Icon(
    Icons.phone,
    color: Colors.grey[400],
  ),
  SizedBox(width: 10.0),
  Text(
    '7083556576',
    style: TextStyle(
      color: Colors.grey[400],
      fontSize: 18.0,
      letterSpacing: 1.0,
    ),
  ),
],
),
Divider(
  color: Colors.grey[800],
  height: 60.0,
),
Text(
  'Student Address',
  style: TextStyle(
    color: Colors.grey,
    letterSpacing: 2.0,
  ),
),
),
SizedBox(height: 5.0),
Text(
  'Taramati Nivas Sastrinagar Wada,Tal.Wada, Dist.Palghar, Maharashtra-421303',
  style: TextStyle(
    color: Colors.grey,
    fontWeight: FontWeight.bold,
    fontSize: 16.0,
    letterSpacing: 2.0,
  ),
),
),
Divider(
  color: Colors.grey[800],
  height: 60.0,
),
],
),
),
);
}
}

```

Exp 3: Main.dart

```

import 'package:flutter/material.dart';

void main() => runApp(MyApp());

```

```

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    final appTitle = 'Flutter Form Demo';
    return MaterialApp(
      title: appTitle,
      home: Scaffold(
        appBar: AppBar(
          title: Text(appTitle),
        ),
        body: MyCustomForm(),
      ),
    );
  }
}

// Create a Form widget.
class MyCustomForm extends StatefulWidget {
  @override
  MyCustomFormState createState() {
    return MyCustomFormState();
  }
}

// Create a corresponding State class, which holds data related to the form.
class MyCustomFormState extends State<MyCustomForm> {
  // Create a global key that uniquely identifies the Form widget
  // and allows validation of the form.
  final _formKey = GlobalKey<FormState>();

  @override
  Widget build(BuildContext context) {
    // Build a Form widget using the _formKey created above.
    return Form(
      key: _formKey,
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.start,
        children: <Widget>[
          TextFormField(
            decoration: const InputDecoration(
              icon: const Icon(Icons.person),
              hintText: 'Enter your full name',
              labelText: 'Name',
            ),
            validator: (String? value) {
              if (value!.isEmpty) {
                return 'Please enter some text';
              }
              return null;
            },
          ),
        ],
      ),
    );
  }
}

```

```

    ),
    TextFormField(
      decoration: const InputDecoration(
        icon: const Icon(Icons.phone),
        hintText: 'Enter a phone number',
        labelText: 'Phone',
      ),
      validator: (String? value) {
        if (value!.isEmpty) {
          return 'Please enter valid phone number';
        }
        return null;
      },
    ),
    TextFormField(
      decoration: const InputDecoration(
        icon: const Icon(Icons.calendar_today),
        hintText: 'Enter your date of birth',
        labelText: 'Dob',
      ),
      validator: (String? value) {
        if (value!.isEmpty) {
          return 'Please enter valid date';
        }
        return null;
      },
    ),
    new Container(
      padding: const EdgeInsets.only(left: 150.0, top: 40.0),
      child: new ElevatedButton(
        child: const Text('Submit'),
        onPressed: () {
          // It returns true if the form is valid, otherwise returns false
          if (_formKey.currentState!.validate()) {
            // If the form is valid, display a Snackbar.
            Scaffold.of(context)
              .showSnackBar(SnackBar(content: Text('Data is in processing.')));
          }
        },
      ),
    ),
  ],
),
);
}
}

```

Exp 4: Main.dart

```

import 'dart:ui';

import 'package:flutter/material.dart';

void main() => runApp(const MyApp());

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  static const String _title = 'Flutter Tutorial';

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: _title,
      home: Scaffold(
        appBar: AppBar(title: const Text(_title)),
        body: const MyStatefulWidget(),
      ),
    );
  }
}

class MyStatefulWidget extends StatefulWidget {
  const MyStatefulWidget({Key? key}) : super(key: key);

  @override
  State<MyStatefulWidget> createState() => _MyStatefulWidgetState();
}

class _MyStatefulWidgetState extends State<MyStatefulWidget> {
  @override
  Widget build(BuildContext context) {
    return Center(
      child: GridView(
        gridDelegate: const SliverGridDelegateWithFixedCrossAxisCount(
          crossAxisCount: 3,
        ),
        primary: false,
        padding: const EdgeInsets.all(20),
        children: <Widget>[
          Container(
            padding: const EdgeInsets.all(8),
            child: const Text("Rutuja"),
            color: Colors.orange[200],
          ),
          Container(
            padding: const EdgeInsets.all(8),
            child: const Text("Navghane"),

```

```

        color: Colors.green[200],
      ),
      Container(
        padding: const EdgeInsets.all(8),
        child: const Text("Roll No 48"),
        color: Colors.red[200],
      ),
      Container(
        padding: const EdgeInsets.all(8),
        child: const Text("Bharati Vidyapeeth"),
        color: Colors.purple[200],
      ),
      Container(
        padding: const EdgeInsets.all(8),
        child: const Text("College Of Engineering"),
        color: Colors.blueGrey[200],
      ),
      Container(
        padding: const EdgeInsets.all(12),
        child: const Text("Information Technology"),
        color: Colors.yellow[200],
      ),
    ],
  ),
);
}
}

```

```

import 'dart:ui';

import 'package:flutter/material.dart';

void main() => runApp(const MyApp());

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  static const String _title = 'Flutter Tutorial';

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: _title,
      home: Scaffold(

```

```

        appBar: AppBar(title: const Text(_title)),
        body: const MyStatefulWidget(),
      ),
    );
  }
}

```

```

class MyStatefulWidget extends StatefulWidget {
  const MyStatefulWidget({Key? key}) : super(key: key);

  @override
  State<MyStatefulWidget> createState() => _MyStatefulWidgetState();
}

```

```

class _MyStatefulWidgetState extends State<MyStatefulWidget> {
  @override
  Widget build(BuildContext context) {
    return Center(
      child: GridView(
        gridDelegate: const SliverGridDelegateWithFixedCrossAxisCount(
          crossAxisCount: 3,
        ),
        primary: false,
        padding: const EdgeInsets.all(20),
        children: <Widget>[
          Container(
            padding: const EdgeInsets.all(8),
            child: const Text("VAISHNAVI"),
            color: Colors.orange[200],
          ),
          Container(
            padding: const EdgeInsets.all(8),
            child: const Text("RAJPUT"),
            color: Colors.green[200],
          ),
          Container(
            padding: const EdgeInsets.all(8),
            child: const Text("ROLLNO 59"),
            color: Colors.red[200],
          ),
          Container(
            padding: const EdgeInsets.all(8),
            child: const Text("BHARATI VIDYAPEETH"),
            color: Colors.purple[200],
          ),
          Container(
            padding: const EdgeInsets.all(8),
            child: const Text("COLLEGE OF ENGINEERING"),
            color: Colors.blueGrey[200],
          ),
        ],
      ),
    );
  }
}

```



```

    ),
    Container(
      padding: const EdgeInsets.all(12),
      child: const Text("INFORAMTION TECHNOLOGY"),
      color: Colors.yellow[200],
    ),
  ],
)
);
}
}

```

Exp 5: Main.dart

```

import 'package:flutter/material.dart';

void main() => runApp(MyApp());

class MyApp extends StatelessWidget {

  // This widget is the root
  // of your application

  @override
  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(
        appBar: AppBar(
          title: Text('Rutuja Navghane'),
        ),

        body: Center(
          child: Column(
            children: <Widget>[
              Image.asset('assets/images/photo.jpg'),
            ],
          ),
        ),
      );
    }
  }
}

```

Pubspec.yaml

name: expl
description: A new Flutter project.

The following line prevents the package from being accidentally published to
pub.dev using `flutter pub publish`. This is preferred for private packages.
publish_to: 'none' # Remove this line if you wish to publish to pub.dev

The following defines the version and build number for your application.
A version number is three numbers separated by dots, like 1.2.43
followed by an optional build number separated by a +.
Both the version and the builder number may be overridden in flutter
build by specifying --build-name and --build-number, respectively.
In Android, build-name is used as versionName while build-number used as versionCode.
Read more about Android versioning at <https://developer.android.com/studio/publish/versioning>
In iOS, build-name is used as CFBundleShortVersionString while build-number used as CFBundleVersion.
Read more about iOS versioning at

<https://developer.apple.com/library/archive/documentation/General/Reference/InfoPlistKeyReference/Articles/CoreFoundationKeys.html>
version: 1.0.0+1

environment:
 sdk: ">=2.16.2 <3.0.0"

Dependencies specify other packages that your package needs in order to work.
To automatically upgrade your package dependencies to the latest versions
consider running `flutter pub upgrade --major-versions`. Alternatively,
dependencies can be manually updated by changing the version numbers below to
the latest version available on pub.dev. To see which dependencies have newer
versions available, run `flutter pub outdated`.

dependencies:

flutter:
 sdk: flutter

The following adds the Cupertino Icons font to your application.
Use with the CupertinoIcons class for iOS style icons.
cupertino_icons: ^1.0.2

dev_dependencies:

flutter_test:
 sdk: flutter

The "flutter_lints" package below contains a set of recommended lints to
encourage good coding practices. The lint set provided by the package is
activated in the `analysis_options.yaml` file located at the root of your
package. See that file for information about deactivating specific lint
rules and activating additional ones.

flutter_lints: ^1.0.0

For information on the generic Dart part of this file, see the
following page: <https://dart.dev/tools/pub/pubspec>

The following section is specific to Flutter.

flutter:

assets:

- assets/images/photo.jpg

The following line ensures that the Material Icons font is
included with your application, so that you can use the icons in
the material Icons class.
uses-material-design: true

To add assets to your application, add an assets section, like this:

assets:

- # - images/a_dot_burr.jpeg

- # - images/a_dot_ham.jpeg

An image asset can refer to one or more resolution-specific "variants", see
<https://flutter.dev/assets-and-images/#resolution-aware>.

For details regarding adding assets from package dependencies, see
<https://flutter.dev/assets-and-images/#from-packages>

To add custom fonts to your application, add a fonts section here,
in this "flutter" section. Each entry in this list should have a
"family" key with the font family name, and a "fonts" key with a
list giving the asset and other descriptors for the font. For
example:

fonts:

- # - family: Schyler

- # fonts:

- # - asset: fonts/Schyler-Regular.ttf

- # - asset: fonts/Schyler-Italic.ttf

- # style: italic

- # - family: Trajan Pro

- # fonts:

- # - asset: fonts/TrajanPro.ttf

- # - asset: fonts/TrajanPro_Bold.ttf

- # weight: 700

#

For details regarding fonts from package dependencies,

see <https://flutter.dev/custom-fonts/#from-packages>



Exp 6: Main.dart

```
import 'package:flutter/material.dart';
void main() => runApp(MyApp());
class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      home: MyHomePage(),
    );
  }
}
class MyHomePage extends StatefulWidget {
  @override
  _MyHomePageState createState() => _MyHomePageState();
}
class MySecondPage extends StatefulWidget {
  @override
  _MySecondPageState createState() => _MySecondPageState();
}
class _MyHomePageState extends State<MyHomePage> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Hello,My name is Rutuja....This is home-page'),
      ),
      body: Center(
        child: RaisedButton(
          child: Text('Go to Second Screen'),
          onPressed: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) => MySecondPage()),
            );
          },
        ),
      ),
    );
  }
}
```

```
}  
class _MySecondPageState extends State<MySecondPage> {  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        title: Text('This is Second Screen after navigation...'),  
      ),  
      body: Center(  
        child: RaisedButton(  
          child: Text('Go back to Home Screen !!'),  
          onPressed: () {  
            Navigator.pop(context);  
          },  
        ),  
      ),  
    );  
  }  
}
```