

EXPERIMENT - 2

main.dart

```
import 'package:flutter/material.dart';
import 'package:google_fonts/google_fonts.dart';
import 'signup.dart';
import 'home_screen.dart';

void main() {
  runApp(const BloodBankApp());
}

class BloodBankApp extends StatelessWidget {
  const BloodBankApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Blood Bank App',
      debugShowCheckedModeBanner: false,
      theme: ThemeData(
        // Primary color scheme
        primarySwatch: Colors.red,
        primaryColor: Colors.red[900],

        // Light theme colors for home screen
        scaffoldBackgroundColor: Colors.white,

        // Card theme
        cardTheme: CardTheme(
          elevation: 4,
          shape: RoundedRectangleBorder(
            borderRadius: BorderRadius.circular(8),
          ),
        ),

        // Bottom navigation theme
        bottomNavigationBarTheme: BottomNavigationBarThemeData(
          selectedItemColor: Colors.red[900],
          unselectedItemColor: Colors.grey,
        ),

        // Text theme
```

```

textTheme: TextTheme(
  displayLarge: GoogleFonts.lato(
    fontSize: 32,
    fontWeight: FontWeight.bold,
    color: Colors.black,
  ),
  bodyLarge: GoogleFonts.lato(
    color: Colors.black,
  ),
  bodyMedium: GoogleFonts.lato(
    color: Colors.black87,
  ),
),

// Input decoration theme
inputDecorationTheme: InputDecorationTheme(
  labelStyle: TextStyle(color: Colors.white70),
  enabledBorder: UnderlineInputBorder(
    borderSide: BorderSide(color: Colors.white38),
  ),
  focusedBorder: UnderlineInputBorder(
    borderSide: BorderSide(color: Colors.redAccent),
  ),
  errorStyle: TextStyle(color: Colors.redAccent),
),

// Button theme
elevatedButtonTheme: ElevatedButtonThemeData(
  style: ElevatedButton.styleFrom(
    backgroundColor: Colors.redAccent,
    padding: EdgeInsets.symmetric(horizontal: 50, vertical: 12),
    shape: RoundedRectangleBorder(
      borderRadius: BorderRadius.circular(8),
    ),
  ),
),

// AppBar theme
appBarTheme: AppBarTheme(
  backgroundColor: Colors.red[900],
  elevation: 0,
  iconTheme: IconThemeData(color: Colors.white),
  titleTextStyle: GoogleFonts.lato(
    color: Colors.white,

```

```

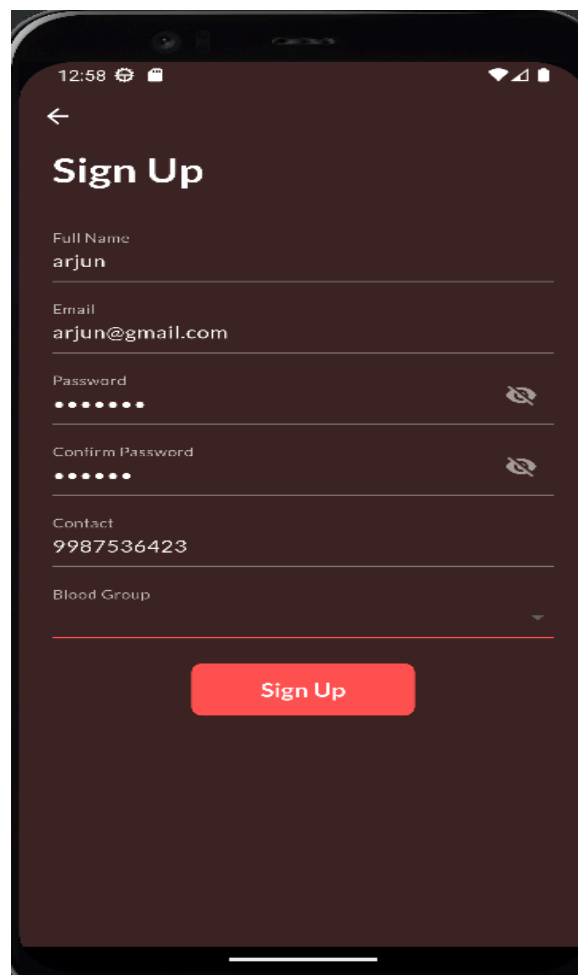
        fontSize: 20,
        fontWeight: FontWeight.w500,
      ),
    ),
  ),

// Initial route
initialRoute: '/signup',

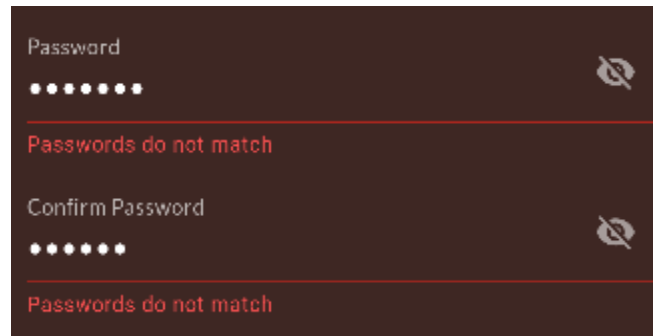
// Define routes
routes: {
  '/': (context) => SignupScreen(),
  '/signup': (context) => SignupScreen(),
  '/home': (context) => HomeScreen(),
},
);
}
}

```

Output:

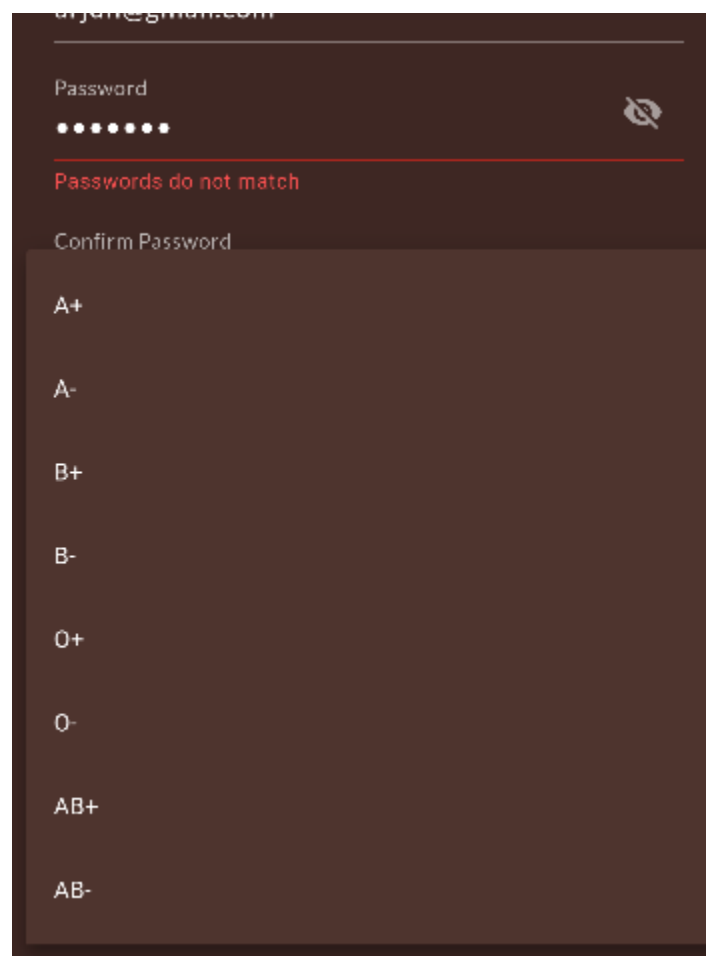


Data validation :



The screenshot shows a registration form with two password fields. The first field is labeled 'Password' and the second is labeled 'Confirm Password'. Both fields contain masked text (dots). Below each field, a red error message 'Passwords do not match' is displayed. The form has a dark blue background and a light blue border.

Dropdown menu component used for selecting user's blood group :



The screenshot shows a registration form with a dropdown menu for selecting a blood group. The dropdown menu is open, showing a list of blood groups: A+, A-, B+, B-, O+, O-, AB+, and AB-. The form has a dark blue background and a light blue border. The dropdown menu is a light blue box with a dark blue border.