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D15B 55

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
```

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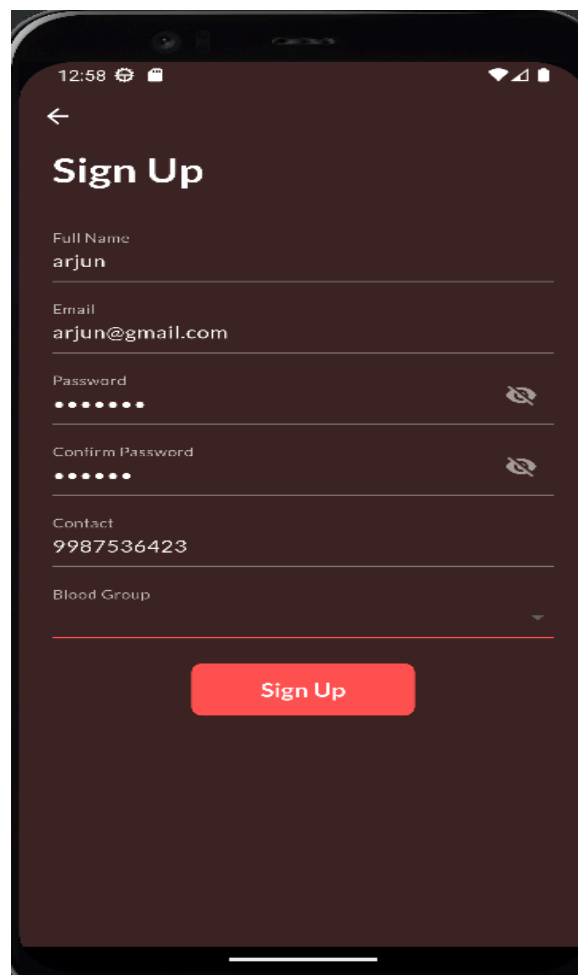
```
        fontSize: 20,
        fontWeight: FontWeight.w500,
      ),
    ),
  ),

  // Initial route
  initialRoute: '/signup',

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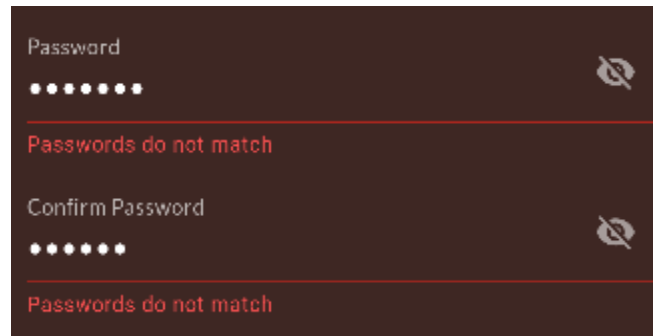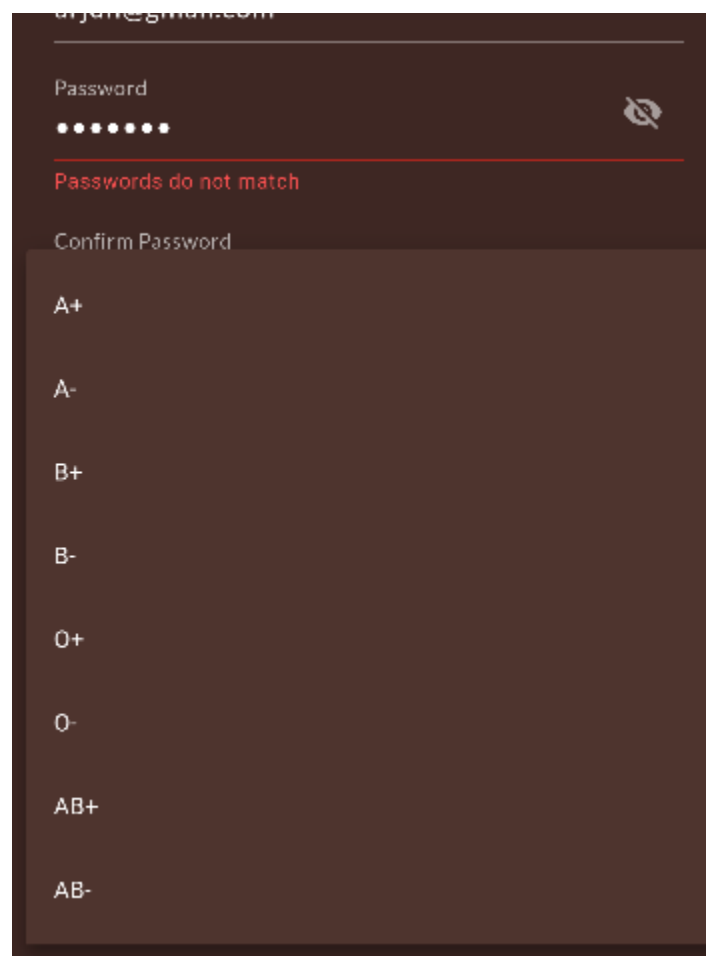
Output:

Data validation :

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