

Week 6: Create an E-Book App Using Flutter

AIM:

- Create an E-Book app with sections for book categories and a simple book reader UI.
- Implement navigation between categories and book details.

CODE:

main.dart

```
import 'package:firebase_core/firebase_core.dart';
import 'package:flutter/material.dart';
import 'src/login_signup_screen.dart';

void main() async {
  WidgetsFlutterBinding.ensureInitialized();
  await Firebase.initializeApp();
  runApp(const MyApp());
}

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

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(
        colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
        useMaterial3: true,
      ),
      home: const WelcomeScreen(),
    );
  }
}

class WelcomeScreen extends StatefulWidget {
  const WelcomeScreen({super.key});

  @override
  _WelcomeScreenState createState() => _WelcomeScreenState();
}

class _WelcomeScreenState extends State<WelcomeScreen> with SingleTickerProviderStateMixin {
  double _opacity = 0.0;
  late AnimationController _animationController;
  late Animation<double> _scaleAnimation;
  late Animation<Offset> _slideAnimation;
```

```
@override
void initState() {
  super.initState();

  _animationController = AnimationController(
    duration: const Duration(seconds: 2),
    vsync: this,
  );

  _scaleAnimation = Tween<double>(begin: 0.0, end: 1.0).animate(
    CurvedAnimation(parent: _animationController, curve: Curves.easeInOut),
  );

  _slideAnimation = Tween<Offset>(begin: const Offset(0.0, 1.0), end: Offset.zero).animate(
    CurvedAnimation(parent: _animationController, curve: Curves.easeInOut),
  );

  Future.delayed(const Duration(seconds: 1), () {
    setState(() {
      _opacity = 1.0;
    });
    _animationController.forward();
  });

  // Show logo for 8 seconds
  Future.delayed(const Duration(seconds: 8), () {
    Navigator.pushReplacement(
      context,
      MaterialPageRoute(builder: (context) => const LoginSignupScreen()),
    );
  });
}

@override
void dispose() {
  _animationController.dispose();
  super.dispose();
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    body: Center(
      child: AnimatedOpacity(
        opacity: _opacity,
        duration: const Duration(seconds: 1),
        child: ScaleTransition(
          scale: _scaleAnimation,
          child: SlideTransition(
            position: _slideAnimation,
            child: Image.asset(
              "assets/load.gif", // Ensure this GIF exists in the assets folder
              width: 300,
              height: 300,
              fit: BoxFit.cover,
```

```
    ),  
    ),  
    ),  
    ),  
    ),  
    );  
  }  
}
```

login_signup_page.dart

```
import 'package:firebase_auth/firebase_auth.dart';  
import 'package:flutter/material.dart';  
import 'package:google_sign_in/google_sign_in.dart';  
import 'home_screen.dart';  
import 'package:fluttertoast/fluttertoast.dart';  
  
class LoginSignupScreen extends StatefulWidget {  
  const LoginSignupScreen({super.key});  
  
  @override  
  _LoginSignupScreenState createState() => _LoginSignupScreenState();  
}  
  
class _LoginSignupScreenState extends State<LoginSignupScreen> {  
  final _emailController = TextEditingController();  
  final _passwordController = TextEditingController();  
  bool isSignUp = false;  
  bool isLoading = false; // Add loading state  
  
  final FirebaseAuth _auth = FirebaseAuth.instance;  
  
  // Handle Google Sign In  
  Future<User?> signInWithGoogle() async {  
    setState(() {  
      isLoading = true; // Show loading indicator  
    });  
  
    final GoogleSignIn googleSignIn = GoogleSignIn();  
    final GoogleSignInAccount? googleUser = await googleSignIn.signIn();  
    if (googleUser == null) {  
      setState(() {  
        isLoading = false; // Hide loading indicator  
      });  
      return null;  
    }  
  }  
}
```

```
final GoogleSignInAuthentication googleAuth = await googleUser.authentication;

final OAuthCredential credential = GoogleAuthProvider.credential(
  accessToken: googleAuth.accessToken,
  idToken: googleAuth.idToken,
);

final UserCredential userCredential = await _auth.signInWithCredential(credential);

setState(() {
  isLoading = false; // Hide loading indicator
});

return userCredential.user;
}

// Show alert dialog for errors
void showAlert(String message) {
  showDialog(
    context: context,
    builder: (context) => AlertDialog(
      title: const Text('Error'),
      content: Text(message),
      actions: [
        TextButton(
          onPressed: () {
            Navigator.pop(context);
          },
          child: const Text('OK'),
        ),
      ],
    ),
  );
}

// Show Toast message for authentication failure
void showToast(String message) {
  Fluttertoast.showToast(msg: message, toastLength: Toast.LENGTH_SHORT);
}

// Email validation
bool isValidEmail(String email) {
  final regex = RegExp(r'^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$');
  return regex.hasMatch(email);
}

// Handle email/password sign-up
```

```
Future<void> signUpWithEmailPassword() async {
  setState(() {
    isLoading = true; // Show loading indicator
  });

  if (_emailController.text.isEmpty || _passwordController.text.isEmpty) {
    showAlert('Please fill in both email and password');
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    return;
  }

  if (!isValidEmail(_emailController.text)) {
    showAlert('Please enter a valid email address');
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    return;
  }

  if (_passwordController.text.length < 6) {
    showAlert('Password must be at least 6 characters');
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    return;
  }

  try {
    await _auth.createUserWithEmailAndPassword(
      email: _emailController.text.trim(),
      password: _passwordController.text.trim(),
    );
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    Navigator.pushReplacement(
      context,
      MaterialPageRoute(builder: (context) => const HomeScreen()),
    );
  } on FirebaseAuthException catch (e) {
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    if (e.code == 'weak-password') {
      showToast('The password is too weak.');
```

```
    } else if (e.code == 'email-already-in-use') {
      showToast('An account already exists for that email.');
```

```
    } else {
      showToast('Authentication failed! Please try again.');
```

```
    }
  } catch (e) {
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    showToast('Something went wrong. Please try again.');
```

```
  }
}
```

```
// Handle email/password login
Future<void> loginWithEmailPassword() async {
  setState(() {
    isLoading = true; // Show loading indicator
  });

  if (_emailController.text.isEmpty || _passwordController.text.isEmpty) {
    showAlert('Please fill in both email and password');
```

```
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    return;
  }

  if (!isValidEmail(_emailController.text)) {
    showAlert('Please enter a valid email address');
```

```
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    return;
  }

  if (_passwordController.text.length < 6) {
    showAlert('Password must be at least 6 characters');
```

```
    setState(() {
      isLoading = false; // Hide loading indicator
    });
    return;
  }

  try {
    await _auth.signInWithEmailAndPassword(
      email: _emailController.text.trim(),
      password: _passwordController.text.trim(),
```

```

);
setState() {
  isLoading = false; // Hide loading indicator
});
Navigator.pushReplacement(
  context,
  MaterialPageRoute(builder: (context) => const HomeScreen()),
);
} on FirebaseAuthException catch (e) {
  setState() {
    isLoading = false; // Hide loading indicator
  });
  if (e.code == 'user-not-found') {
    showToast('No user found for that email.');
```

```

  } else if (e.code == 'wrong-password') {
    showToast('Incorrect password.');
```

```

  } else {
    showToast('Invalid email or password. Please try again.');
```

```

  }
} catch (e) {
  setState() {
    isLoading = false; // Hide loading indicator
  });
  showToast('Something went wrong. Please try again.');
```

```

}
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      backgroundColor: Colors.blue,
      title: const Text('E-Book App'),
      centerTitle: true,
      elevation: 0,
    ),
    body: isLoading
      ? Center(
        child: CircularProgressIndicator(
          color: Colors.blue, // Standard blue
          // Customize the color if needed
        ),
      )
      : SingleChildScrollView(
        padding: const EdgeInsets.all(16.0),
        child: Column(
          children: <Widget>[

```

```
// Branding Image or Logo
Center(
  child: Image.asset(
    'assets/images/logo.png', // Replace with your logo
    height: 250,
    width: 350,
  ),
),
const SizedBox(height: 20),

// AnimatedSwitcher for flip animation between Login and Signup
AnimatedSwitcher(
  duration: const Duration(milliseconds: 600),
  transitionBuilder: (Widget child, Animation<double> animation) {
    final rotate = Tween(begin: 0.0, end: 1.0).animate(animation);
    return RotationTransition(
      turns: rotate,
      child: child,
    );
  },
  child: isSignUp ? buildSignUpForm() : buildLoginForm(),
),
const SizedBox(height: 20),

// Toggle between Sign Up and Login with more spacing
TextButton(
  onPressed: () {
    setState(() {
      isSignUp = !isSignUp; // Toggle between SignUp and Login
    });
  },
  child: Text(
    isSignUp
      ? 'Already have an account? Login'
      : 'Don\'t have an account? Sign Up',
    style: const TextStyle(fontSize: 16),
  ),
),
const SizedBox(height: 20),

// Google Sign-In Button
ElevatedButton.icon(
  onPressed: () async {
    User? user = await signInWithGoogle();
    if (user != null) {
      Navigator.pushReplacement(
        context,
```



```

        MaterialPageRoute(builder: (context) => const HomeScreen()),
      );
    } else {
      showToast('Google sign-in failed.');
```

```

    }
  },
  style: ElevatedButton.styleFrom(
    backgroundColor: Colors.blue, // Google blue color
    padding: const EdgeInsets.symmetric(vertical: 15),
    minimumSize: const Size(double.infinity, 50),
    shape: RoundedRectangleBorder(
      borderRadius: BorderRadius.circular(15),
    ),
  ),
  icon: const Icon(Icons.g_mobiledata, color: Colors.white),
  label: const Text(
    'Continue with Google',
    style: TextStyle(fontSize: 18, color: Colors.white),
  ),
),
const SizedBox(height: 30),
```

```

// Optional: Add Footer or Disclaimer with more padding
const Divider(),
const Text(
  'By signing up, you agree to our Terms and Conditions',
  style: TextStyle(fontSize: 12, color: Colors.grey),
),
],
),
),
);
}
```

```

Widget buildLoginForm() {
  return Column(
    key: const ValueKey('login'),
    children: [
      TextField(
        controller: _emailController,
        decoration: InputDecoration(
          prefixIcon: const Icon(Icons.email, color: Colors.blue),
          labelText: 'Email Address',
          hintText: 'Enter your email',
          border: OutlineInputBorder(
            borderRadius: BorderRadius.circular(15),
          ),
        ),
      ),
    ],
  );
}
```

```
        filled: true,
        fillColor: Colors.white,
      ),
    ),
    const SizedBox(height: 15),

    TextField(
      controller: _passwordController,
      obscureText: true,
      decoration: InputDecoration(
        prefixIcon: const Icon(Icons.lock, color: Colors.blue),
        labelText: 'Password',
        hintText: 'Enter your password',
        border: OutlineInputBorder(
          borderRadius: BorderRadius.circular(15),
        ),
        filled: true,
        fillColor: Colors.white,
      ),
    ),
    const SizedBox(height: 25),

    ElevatedButton(
      style: ElevatedButton.styleFrom(
        backgroundColor: Colors.blue,
        foregroundColor: Colors.white,
        shape: RoundedRectangleBorder(
          borderRadius: BorderRadius.circular(15),
        ),
        padding: const EdgeInsets.symmetric(vertical: 15),
        minimumSize: const Size(double.infinity, 50),
      ),
      onPressed: logInWithEmailPassword,
      child: const Text(
        'Login',
        style: TextStyle(fontSize: 18),
      ),
    ),
  ],
);
}

Widget buildSignUpForm() {
  return Column(
    key: const ValueKey('signup'),
    children: [
      TextField(
```

```
controller: _emailController,
decoration: InputDecoration(
  prefixIcon: const Icon(Icons.email, color: Colors.blue),
  labelText: 'Email Address',
  hintText: 'Enter your email',
  border: OutlineInputBorder(
    borderRadius: BorderRadius.circular(15),
  ),
  filled: true,
  fillColor: Colors.white,
),
),
const SizedBox(height: 15),

TextField(
  controller: _passwordController,
  obscureText: true,
  decoration: InputDecoration(
    prefixIcon: const Icon(Icons.lock, color: Colors.blue),
    labelText: 'Password',
    hintText: 'Enter your password',
    border: OutlineInputBorder(
      borderRadius: BorderRadius.circular(15),
    ),
    filled: true,
    fillColor: Colors.white,
  ),
),
const SizedBox(height: 25),

ElevatedButton(
  style: ElevatedButton.styleFrom(
    backgroundColor: const Color.fromARGB(255, 59, 93, 231),
    foregroundColor: Colors.white,
    shape: RoundedRectangleBorder(
      borderRadius: BorderRadius.circular(15),
    ),
    padding: const EdgeInsets.symmetric(vertical: 15),
    minimumSize: const Size(double.infinity, 50),
  ),
  onPressed: signUpWithEmailPassword,
  child: const Text(
    'Sign Up',
    style: TextStyle(fontSize: 18),
  ),
),
],
```

```
);  
}  
}
```

home_page.dart

```
import 'package:flutter/material.dart';  
import 'pdf_viewer_screen.dart';  
import 'package:firebase_auth/firebase_auth.dart';  
import 'package:google_sign_in/google_sign_in.dart';  
import 'login_signup_screen.dart';  
  
class Book {  
  final String name;  
  final String author;  
  final String publishDate;  
  final String pdfPath;  
  final String imagePath;  
  
  Book(this.name, this.author, this.publishDate, this.pdfPath, this.imagePath);  
}  
  
class HomeScreen extends StatefulWidget {  
  const HomeScreen({super.key});  
  
  @override  
  State<HomeScreen> createState() => _HomeScreenState();  
}  
  
class _HomeScreenState extends State<HomeScreen> {  
  final List<Book> _books = [  
    Book("Flutter for Beginners", "John Doe", "2022", "assets/books/book1.pdf",  
"assets/images/book1.jpg"),  
    Book("Mastering Dart", "Jane Smith", "2021", "assets/books/book2.pdf",  
"assets/images/book2.jpg"),  
    Book("Advanced Flutter", "Mike Johnson", "2023", "assets/books/book3.pdf",  
"assets/images/book3.jpg"),  
    Book("Flutter Cookbook", "Alice Brown", "2020", "assets/books/book4.pdf",  
"assets/images/book4.jpg"),  
    Book("Dart in Depth", "Charlie White", "2019", "assets/books/book5.pdf",  
"assets/images/book5.jpg"),  
    Book("Flutter UI Design", "David Black", "2024", "assets/books/book6.pdf",  
"assets/images/book6.jpg"),  
  ];
```

```
bool _isGridView = false;

void _logout() async {
  await FirebaseAuth.instance.signOut();
  await GoogleSignIn().signOut(); // Sign out from Google if used

  // Navigate to the login/signup screen and remove all previous screens from the stack
  Navigator.pushAndRemoveUntil(
    context,
    MaterialPageRoute(builder: (context) => const LoginSignupScreen()),
    (route) => false, // This removes all previous routes from the stack
  );
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      backgroundColor: Colors.blue.shade900,
      title: const Text(
        'E-Book Store',
        style: TextStyle(fontWeight: FontWeight.bold, color: Colors.white),
      ),
      actions: [
        IconButton(
          icon: Icon(_isGridView ? Icons.list : Icons.grid_view, color: Colors.white),
          onPressed: () {
            setState() {
              _isGridView = !_isGridView;
            };
          },
        ),
        IconButton(
          icon: const Icon(Icons.logout, color: Colors.white),
          onPressed: () => _logout(), // Explicitly passing context
        ),
      ],
    ),
    body: _isGridView ? _buildGridView() : _buildListView(),
    floatingActionButton: FloatingActionButton(
      backgroundColor: Colors.blue.shade900,
      onPressed: () {
        setState() {
          _isGridView = !_isGridView;
        };
      },
    ),
  );
}
```

```
    },
    child: Icon(_isGridView ? Icons.list : Icons.grid_view, color: Colors.white),
  ),
);
}

Widget _buildListView() {
  return ListView.builder(
    itemCount: _books.length,
    itemBuilder: (context, index) {
      final book = _books[index];
      return Card(
        color: Colors.blue.shade100,
        margin: const EdgeInsets.all(8.0),
        elevation: 5,
        shape: RoundedRectangleBorder(
          borderRadius: BorderRadius.circular(15.0),
        ),
        child: ListTile(
          contentPadding: const EdgeInsets.symmetric(vertical: 10.0, horizontal: 15.0),
          leading: ClipRRect(
            borderRadius: BorderRadius.circular(10.0),
            child: Image.asset(
              book.imagePath,
              width: 60,
              height: 80,
              fit: BoxFit.cover,
              errorBuilder: (context, error, stackTrace) => const Icon(Icons.broken_image,
size: 60),
            ),
          ),
          title: Text(
            book.name,
            style: const TextStyle(fontSize: 18, fontWeight: FontWeight.bold, color:
Colors.blue),
          ),
          subtitle: Text("Author: ${book.author}\nPublished: ${book.publishDate}",
style: TextStyle(color: Colors.blue.shade700)),
          trailing: const Icon(Icons.arrow_forward_ios, color: Colors.blue),
          onTap: () {
            Navigator.push(
              context,
              MaterialPageRoute(
                builder: (context) => PdfViewerScreen(pdfAssetPath: book.pdfPath),
              ),
            );
          },
        ),
      );
    },
  );
}
```

```

    ),
  );
},
);
}

Widget _buildGridView() {
  return GridView.builder(
    padding: const EdgeInsets.all(8.0),
    itemCount: _books.length,
    gridDelegate: const SliverGridDelegateWithFixedCrossAxisCount(
      crossAxisCount: 2,
      crossAxisSpacing: 8.0,
      mainAxisSpacing: 8.0,
      childAspectRatio: 0.7,
    ),
    itemBuilder: (context, index) {
      final book = _books[index];
      return GestureDetector(
        onTap: () {
          Navigator.push(
            context,
            MaterialPageRoute(
              builder: (context) => PdfViewerScreen(pdfAssetPath: book.pdfPath),
            ),
          );
        },
        child: Card(
          color: Colors.blue.shade100,
          elevation: 5,
          shape: RoundedRectangleBorder(
            borderRadius: BorderRadius.circular(15.0),
          ),
          child: Column(
            crossAxisAlignment: CrossAxisAlignment.center,
            children: [
              Expanded(
                child: ClipRRect(
                  borderRadius: const BorderRadius.vertical(top: Radius.circular(15.0)),
                  child: Image.asset(
                    book.imagePath,
                    width: double.infinity,
                    fit: BoxFit.cover,
                    errorBuilder: (context, error, stackTrace) => const
Icon(Icons.broken_image, size: 60),
                  ),
                ),
              ),
            ],
          ),
        ),
      );
    },
  );
}

```

```

    ),
    Padding(
      padding: const EdgeInsets.all(8.0),
      child: Text(
        book.name,
        textAlign: TextAlign.center,
        style: const TextStyle(fontSize: 16, fontWeight: FontWeight.bold, color:
Colors.blue),
      ),
    ),
  ],
),
),
);
},
);
}
}

```

pdf_viewer_screen.dart

```

import 'dart:io';
import 'package:flutter/material.dart';
import 'package:flutter_pdfview/flutter_pdfview.dart';
import 'package:path_provider/path_provider.dart';
import 'package:flutter/services.dart';
import 'package:permission_handler/permission_handler.dart';

class PdfViewerScreen extends StatefulWidget {
  final String pdfAssetPath;

  const PdfViewerScreen({super.key, required this.pdfAssetPath});

  @override
  State<PdfViewerScreen> createState() => _PdfViewerScreenState();
}

class _PdfViewerScreenState extends State<PdfViewerScreen> {
  String? localFilePath;
  bool isLoading = true;
  bool isScrolling = false; // Default: Swipe mode enabled
  int totalPages = 0;
  PdfViewController? pdfController;
  UniqueKey pdfViewKey = UniqueKey(); // Key to force widget rebuild

```



```
@override
void initState() {
  super.initState();
  _loadPdf();
}

Future<void> _loadPdf() async {
  try {
    final ByteData data = await rootBundle.load(widget.pdfAssetPath);
    final List<int> bytes = data.buffer.asUint8List();
    final Directory tempDir = await getTemporaryDirectory();
    final File tempFile = File("${tempDir.path}/temp.pdf");

    await tempFile.writeAsBytes(bytes, flush: true);

    setState(() {
      localFilePath = tempFile.path;
      isLoading = false;
    });
  } catch (e) {
    debugPrint("Error loading PDF: $e");
    setState(() {
      isLoading = false;
    });
  }
}

void _toggleScrollMode() {
  setState(() {
    isScrolling = !isScrolling;
    pdfViewKey = UniqueKey(); // Force PDFView to rebuild
  });
}

Future<void> _downloadPdf() async {
  if (localFilePath == null) return;

  try {
    if (Platform.isAndroid) {
      if (await Permission.storage.request().isGranted ||
          await Permission.manageExternalStorage.request().isGranted) {

        final Directory? downloadsDir = await getExternalStorageDirectory();
        if (downloadsDir != null) {
          final File destinationFile = File("${downloadsDir.path}/downloaded.pdf");
          await File(localFilePath!).copy(destinationFile.path);
        }
      }
    }
  }
}
```

```
// Show pop-up after successful download
showDialog(
  context: context,
  builder: (BuildContext context) {
    return AlertDialog(
      title: const Text("Download Complete"),
      content: Text("PDF downloaded to:\n${destinationFile.path}"),
      actions: [
        TextButton(
          onPressed: () {
            Navigator.of(context).pop(); // Close the dialog
          },
          child: const Text("OK"),
        ),
      ],
    );
  },
);
} else {
  // Show a pop-up when permission is denied
  showDialog(
    context: context,
    builder: (BuildContext context) {
      return AlertDialog(
        title: const Text("Permission Denied"),
        content: const Text("Storage permission is required to download the PDF."),
        actions: [
          TextButton(
            onPressed: () {
              Navigator.of(context).pop();
              openAppSettings(); // Open app settings for permissions
            },
            child: const Text("Open Settings"),
          ),
          TextButton(
            onPressed: () {
              Navigator.of(context).pop();
            },
            child: const Text("Cancel"),
          ),
        ],
      );
    },
  );
}
```

```

    }
  } catch (e) {
    debugPrint("Error downloading PDF: $e");
  }
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      backgroundColor: Colors.blueAccent,
      title: const Text('E-Book Reader', style: TextStyle(color: Colors.white)),
      actions: [
        IconButton(
          icon: const Icon(Icons.download, color: Colors.white),
          onPressed: _downloadPdf,
        ),
      ],
    ),
    body: isLoading
      ? const Center(child: CircularProgressIndicator())
      : localFilePath != null
        ? Column(
            children: [
              Padding(
                padding: const EdgeInsets.all(8.0),
                child: ElevatedButton(
                  style: ElevatedButton.styleFrom(
                    backgroundColor: Colors.blue,
                    foregroundColor: Colors.white,
                  ),
                  onPressed: _toggleScrollMode,
                  child: Text(isScrolling ? "Switch to Swipe Mode" : "Switch to Scroll
Mode"),
                ),
              ),
            ],
          )
        : Expanded(
            child: PDFView(
              key: pdfViewKey, // Ensures widget rebuilds
              filePath: localFilePath!,
              enableSwipe: true,
              swipeHorizontal: !isScrolling, // Enable left/right swipe
              autoSpacing: true,
              pageSnap: true,
              pageFling: true,
              onRender: (pages) {
                setState(() {

```

```
        totalPages = pages ?? 0;
      });
    },
    onViewCreated: (PDFViewController controller) {
      setState(() {
        pdfController = controller;
      });
    },
    onError: (error) {
      debugPrint("PDF Error: $error");
    },
  ),
),
],
)
: const Center(
  child: Text("Failed to load PDF", style: TextStyle(fontSize: 18, color:
Colors.red)),
),
);
}
}
```

OUTPUT:



