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Batch A

MAD PWA EXP 3

AIM:-

To include icons, images, fonts in Flutter App.

Widgets and Components:

Scaffold:

- The `Scaffold` widget provides the basic structure for the page, including the app bar, drawer, and body.

AppBar:

- The `AppBar` widget represents the top app bar that typically contains the page title, in this case, "Jobs."

Drawer:

- The `Drawer` widget creates a side menu that can be accessed by swiping from the left or tapping a menu icon. It contains a `UserAccountsDrawerHeader` for user information and a `ListTile` for navigation.

UserAccountsDrawerHeader:

- This widget displays user account information, including the account name, email, and a profile picture. It is often used in combination with the `Drawer` widget.

ListTile:

- The `ListTile` widget represents an item in a list. In this case, it is used for the "Profile" item in the drawer. It is configured to navigate to the `ProfilePage` when tapped.

Column:

- The `Column` widget is used to arrange its children in a vertical column. It is employed to structure the layout, grouping the logo, search bar, and job listings vertically.

Image.asset:

- The `Image.asset` widget displays an image loaded from the asset bundle. It is used to show the Upwork logo at the top of the screen. Make sure to replace the placeholder image path with the actual path to the Upwork logo.

TextField:

- The `TextField` widget is an input field for text. It is used to implement a search bar where users can input keywords to search for jobs.

ListView.builder:

- The `ListView.builder` widget is used to create a scrollable list of job listings. It efficiently creates and recycles widgets as the user scrolls through the list.

ListTile in ListView.builder:

- Each job listing is represented by a `ListTile` within the `ListView.builder`. It displays the job title, company name, and potentially more details.

Container:

- The `Container` widget is used to wrap the row of elevated buttons (Jobs, Messages, Contracts, Alerts) at the bottom of the screen. It provides a structured layout for these buttons.

ElevatedButton:

- The `ElevatedButton` widget is used to create buttons with a raised appearance. Each button corresponds to a specific functionality (Jobs, Messages, Contracts, Alerts).

Icon:

- The `Icon` widget is used to display icons within the buttons. Icons provide a visual representation of each button's purpose. For example, the search bar has a search icon (`Icons.search`), and each elevated button has an associated icon.

Theory:

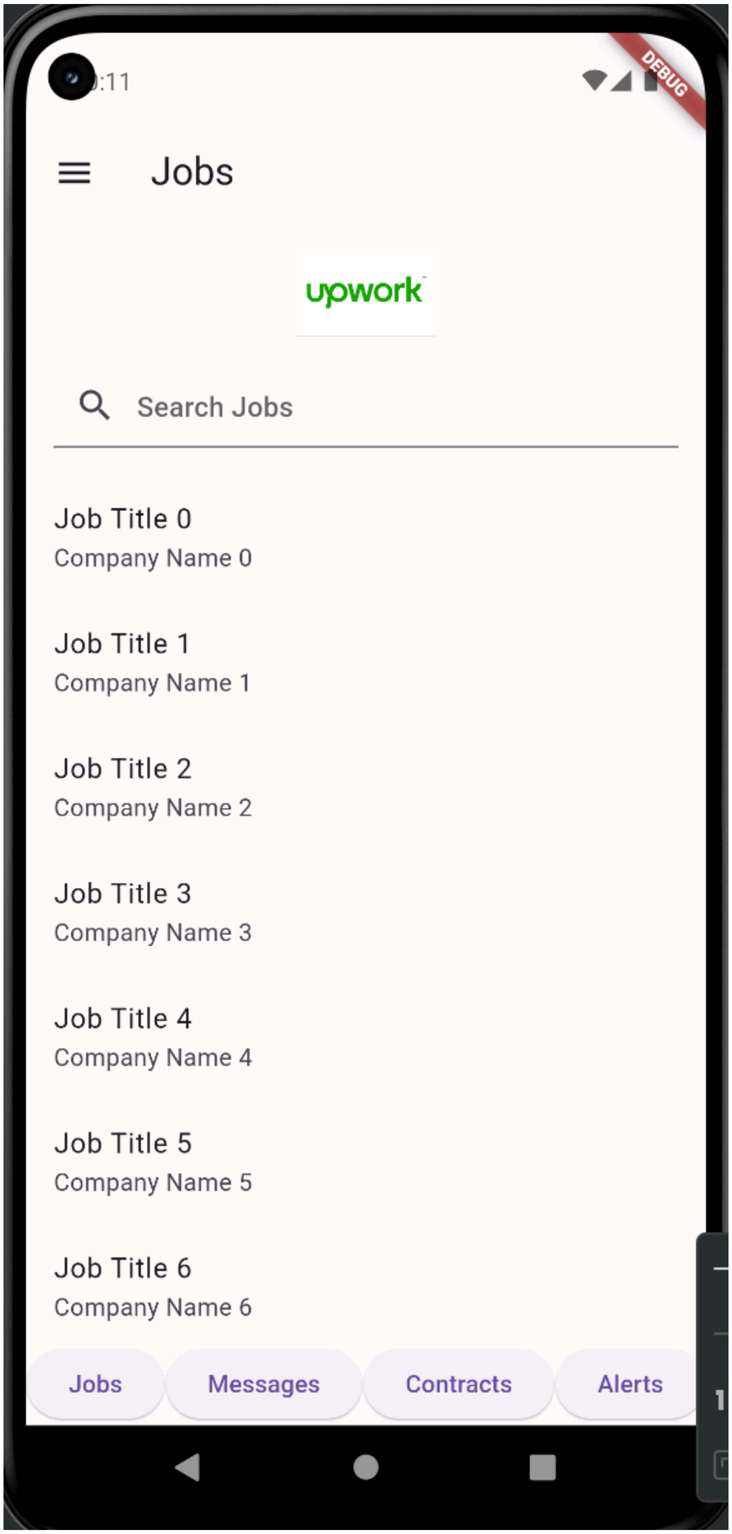
- **User Interaction:**
  - The `JobsPage` provides a user-friendly interface for browsing job listings on the Upwork platform. Users can utilize the search bar to find specific jobs and navigate through the list.
- **Navigation:**
  - The drawer allows users to access additional features such as viewing their profile (`ProfilePage`). The bottom row of buttons serves as a quick navigation bar to switch between different sections of the app.
- **Branding:**
  - The Upwork logo at the top reinforces brand identity, creating a sense of familiarity for users.
- **Visual Hierarchy:**
  - The layout follows a logical visual hierarchy, with the Upwork logo at the top, followed by the search bar, job listings, and finally, the navigation buttons at the bottom.
- **Consistency:**
  - The use of consistent colors, fonts, and the Upwork logo contributes to a cohesive and professional appearance.
- **Interactivity:**
  - Buttons and icons are interactive elements that provide feedback to users, enhancing the overall user experience.
- **Efficiency:**
  - The use of `ListView.builder` ensures efficient rendering of job listings, optimizing performance even for a large number of items.

jobs_page.dart :

```
// lib/screens/jobs/jobs_page.dart
import 'package:flutter/material.dart';
import '../profile/profile_page.dart';

class JobsPage extends StatelessWidget {
@override
Widget build(BuildContext context) {
return Scaffold(
appBar: AppBar(
title: Text('Jobs'),
),
drawer: Drawer(
child: ListView(
padding: EdgeInsets.zero,
children: [
UserAccountsDrawerHeader(
accountName: Text('John Doe'), // Replace with actual name
accountEmail: Text('john.doe@example.com'), // Replace with actual email
currentAccountPicture: CircleAvatar(
// Replace with an actual profile picture
backgroundImage: AssetImage('images/profile_picture.jpg'),
),
),
ListTile(
title: Text('Profile'),
onTap: () {
Navigator.push(
context,
MaterialPageRoute(builder: (context) => ProfilePage()),
);
},
),
// Add more drawer items as needed
],
),
),
body: Column(
children: [
Padding(
padding: const EdgeInsets.all(16.0),
child: Column(
children: [
Image.asset(
'images/2021-upwork-new-logo-design.png', // Replace with the actual path to your Upwork logo
height: 50.0,
),
SizedBox(height: 16.0),
TextField(
decoration: InputDecoration(
hintText: 'Search Jobs',
prefixIcon: Icon(Icons.search),
),
),
],
),
),
// Job listings can go here
// Use ListView.builder or other widgets to display job listings
Expanded(
child: ListView.builder(
itemCount: 10, // Replace with your actual job listings
itemBuilder: (context, index) {
// Replace the ListTile with your job listing widget
return ListTile(
title: Text('Job Title $index'),
subtitle: Text('Company Name $index'),
// Add more details as needed
);
},
),
),
Container(
// color: Colors.blue, // Background color for the bar
child: Row(
mainAxisAlignment: MainAxisAlignment.spaceAround,
children: [
ElevatedButton(
onPressed: () {
// Implement jobs button functionality
},
child: Text('Jobs'),
),
ElevatedButton(
onPressed: () {
// Implement messages button functionality
},
child: Text('Messages'),
),
ElevatedButton(
onPressed: () {
// Implement contracts button functionality
},
child: Text('Contracts'),
),
ElevatedButton(
onPressed: () {
// Implement alerts button functionality
},
child: Text('Alerts'),
),
],
),
),
],
),
);
}
}
```

main.dart :

```
// lib/main.dart
import 'package:flutter/material.dart';
import 'screens/login/login_page.dart';
import 'screens/login/signup_page.dart';
import 'screens/jobs/jobs_page.dart';
import 'screens/splash_screen.dart';

void main() {
runApp(MyApp());
}

class MyApp extends StatelessWidget {
@override
Widget build(BuildContext context) {
return MaterialApp(
title: 'Upwork',
theme: ThemeData(
// primarySwatch: Colors.blue,
),
initialRoute: '/',
routes: {
'/': (context) => SplashScreen(),
'/login': (context) => LoginPage(),
'/signup': (context) => SignupPage(),
'/jobs': (context) => JobsPage(),
},
);
}
}
```



Job Title 0
Company Name 0

Job Title 1
Company Name 1

Job Title 2
Company Name 2

Job Title 3
Company Name 3

Job Title 4
Company Name 4

Job Title 5
Company Name 5

Job Title 6
Company Name 6

Conclusion:- The experiment successfully enhanced the Flutter UI by integrating icons, images, and custom fonts, contributing to a visually appealing and engaging user interface