

## MAD LAB EXPT 3

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**Aim: To include icons,images,fonts in Flutter app.**

### **Theory:**

#### 1. Icons:

Flutter provides the **Icon widget to display icons. Icons in Flutter are based on the material design system, and you can use icons from the Material Icons library or customize your icons.**

**Icon(Icons.favorite);**

#### 2.Images:

Flutter supports various image formats like JPEG, PNG, GIF, WebP, BMP, and animated WebP/GIF. You can display images from assets or network URLs.

To display an image from assets:

**Image.asset('assets/images/my\_image.png');**

**Image.network([http://example.com/my\\_image.png](http://example.com/my_image.png));**

#### 3.Fonts:

You can include custom fonts in your Flutter app to use different typography styles.

Flutter supports TrueType (.ttf) and **OpenType (.otf) font formats.**

**Text(**

**'Hello, World!'**,

**style: TextStyle(**

**fontFamily: 'MyCustomFont',**

**fontSize: 16.0,**

**),**

**);**

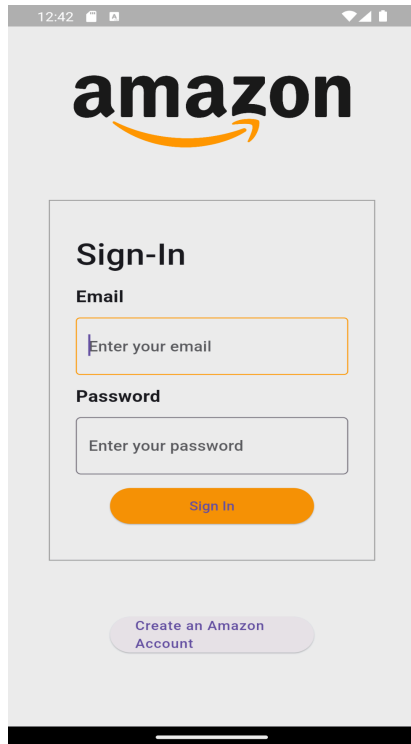
### **Output:**

```
Widget build(BuildContext context) {  
  Size screenSize = Utils().getScreenSize();  
  return Scaffold(  
    backgroundColor: Colors.white,  
    body: SingleChildScrollView(  
      child: SizedBox(  
        height: screenSize.height,
```

```
width: screenSize.width,
child: Padding(
  padding: const EdgeInsets.symmetric(horizontal: 10, vertical: 20),
  child: Center(
    child: Column(
      mainAxisAlignment: MainAxisAlignment.spaceEvenly,
      crossAxisAlignment: CrossAxisAlignment.center,
      children: [
        Image.network(
          amazonLogo,
          height: screenSize.height * 0.10,
),
        SizedBox(
          height: screenSize.height * 0.7,
          child: FittedBox(
            child: Container(
              height: screenSize.height * 0.85,
              width: screenSize.width * 0.8,
              padding: const EdgeInsets.all(25),
              decoration: BoxDecoration(
                border: Border.all(
                  color: Colors.grey,
                  width: 1,
                ),
              ),
            ),
          ),
          child: Column(
            mainAxisAlignment: MainAxisAlignment.min,
            mainAxisAlignment: MainAxisAlignment.spaceBetween,
            crossAxisAlignment: CrossAxisAlignment.start,
            children: [
              const Text(
                "Sign-Up",
                style: TextStyle(
                  fontWeight: FontWeight.w500, fontSize: 33),
              ),
              TextFieldWidget(
                title: "Name",
                controller: nameController,
                obscureText: false,
                hintText: "Enter your name",
              ),
              TextFieldWidget(
                title: "Address",
                controller: addressController,
```

```
obscureText: false,  
hintText: "Enter your address",
```

```
),
```



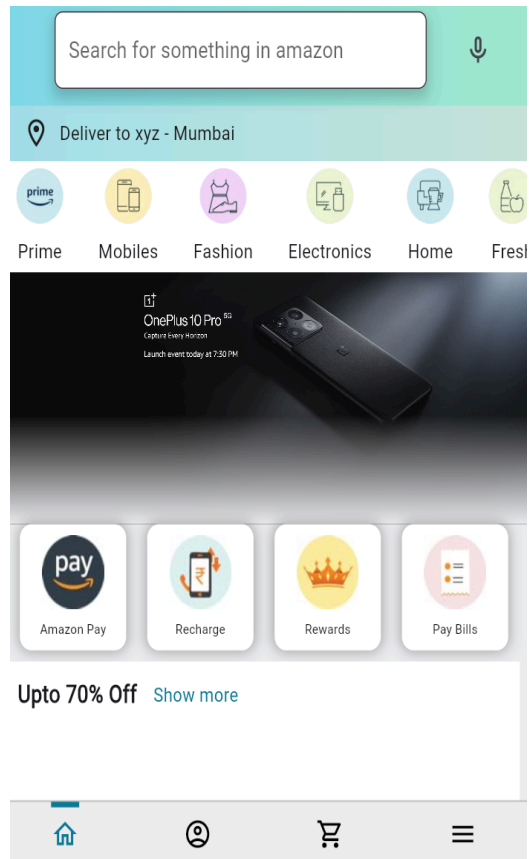
```
class AdBannerWidget extends StatefulWidget {  
  const AdBannerWidget({Key? key}) : super(key: key);  
  
  @override  
  State<AdBannerWidget> createState() => _AdBannerWidgetState();  
}  
  
class _AdBannerWidgetState extends State<AdBannerWidget> {  
  int currentAd = 0;  
  @override  
  Widget build(BuildContext context) {  
    Size screenSize = Utils().getScreenSize();  
    double smallAdDimension = screenSize.width / 5;  
    //Image and gradient  
    return Column(  

```

```

children: [
  Stack(
    children: [
      GestureDetector(
        onHorizontalDragEnd: (_) {
          if (currentAd == largeAds.length - 1) {
            setState(() {
              currentAd = 0;
            });
          } else {
            setState(() {
              currentAd++;
            });
          }
        },
        child: SizedBox(
          width: double.infinity,
          child: Image.network(
            largeAds[currentAd],
          ),
        ),
      ),
      Positioned(
        bottom: 0,
        child: Container(
          width: screenSize.width,
          height: screenSize.height / 8,
          decoration: BoxDecoration(
            gradient: LinearGradient(
              colors: [
                backgroundColor,
                backgroundColor.withOpacity(0.000001)
              ],
              begin: Alignment.bottomCenter,
              end: Alignment.topCenter,
            ),
          ),
        ),
      ),
    ],
  ),
],
),

```



**Conclusion: Added icons,images,fonts in Flutter application.**