

MPL Experiment 03

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D15A / 32

AIM: Including Icons, Images, and Fonts in Flutter App

Icons Used and Their Pages:

1. **Home Page**
 - **Icons.home**: Navigation bar
 - **Icons.search**: Search functionality
 - **Icons.notifications**: Notification icon
 - **Icons.person**: Profile section
2. **Discover Page**
 - **Icons.videocam**: Live stream indicator
 - **Icons.chat**: Chat option for streams
3. **Profile Page**
 - **Icons.settings**: Settings option
 - **Icons.logout**: Logout button

Images Used and Their Pages:

1. **Landing Page**
 - **assets/images/landing_bg.png**: Background image for landing screen
2. **Home Page**
 - **assets/images/reel_placeholder.png**: Placeholder for reel thumbnails
 - **assets/images/user_avatar.png**: Default profile avatar
3. **Profile Page**
 - **assets/images/profile_banner.png**: Profile banner

Fonts Used and Their Pages:

1. **General App Theme**
 - **Poppins** (Regular, Medium, Bold): Used across all pages for titles and body text
 - **Roboto** (Regular): Used for button labels and smaller text
2. **Landing Page & Authentication Screens**
 - **Poppins Bold**: Main heading on landing page
3. **Profile Page**
 - **Poppins Medium**: Used for username and profile details

Implementation Details:

- **Icons:** Implemented using `Icons` class from Flutter's material package.
- **Images:** Added in `assets/` folder and listed in `pubspec.yaml` under `flutter -> assets`.
- **Fonts:** Defined in `pubspec.yaml` under `flutter -> fonts` section.

CODE:

//categories_page.dart

```
@override

Widget build(BuildContext context) {

  return Scaffold(

    backgroundColor: Colors.black,

    body: SafeArea(

      child: Column(

        children: [

          // Search bar

          Padding(

            padding: const EdgeInsets.all(16.0),

            child: Container(

              height: 48,

              decoration: BoxDecoration(

                color: const Color(0xFF303030),

                borderRadius: BorderRadius.circular(8),

              ),
```

```

        child: Row(

          children: [

            const SizedBox(width: 12),

            Icon(Icons.search, color: Colors.grey[400], size: 24),

            const SizedBox(width: 12),

          ],

        ),

      ),

    ),

    // Tab navigation

    Padding(

      padding: const EdgeInsets.symmetric(horizontal: 16.0),

      child: Row(

        children: [

          Column(

            crossAxisAlignment: CrossAxisAlignment.start,

            children: [

              const Text(

                'Categories',

                style: TextStyle(

                  color: Color(0xFFB19DD0), // Light purple

                  fontSize: 18,

```

```
        fontWeight: FontWeight.bold,

        ),

    ),

    const SizedBox(height: 4),

    Container(

        width: 124,

        height: 3,

        color: const Color(0xFF9147FF), // Twitch purple

    ),

    1,

),

const SizedBox(width: 24),

const Text(

    'Live Channels',

    style: TextStyle(

        color: Colors.white,

        fontSize: 18,

        fontWeight: FontWeight.bold,

    ),

),

const Spacer(),

Icon(Icons.tune, color: Colors.grey[400]),

1,
```

```

    ),
  ),

  const SizedBox(height: 16),

  // Game categories grid
  Expanded(
    child: isLoading
      ? const Center(
          child: CircularProgressIndicator(
            color: Color(0xFF9147FF), // Twitch purple
          ),
        )
      : GridView.builder(
          padding: const EdgeInsets.symmetric(horizontal: 16),
          itemCount: categories.length,
          gridDelegate: const
SliverGridDelegateWithFixedCrossAxisCount(
            crossAxisCount: 3,
            mainAxisSpacing: 16,
            crossAxisSpacing: 16,
            childAspectRatio: 0.7,
          ),
          itemBuilder: (context, index) {

```

```

        final category = categories[index];

        return _buildCategoryCard(

            category['title']!,

            category['image']!,

            category['viewers']!,

            category['categoryTag']!,

        );

    },

),

),

),

),

),

),

);

}

```

```

Widget _buildCategoryCard(String title, String imageUrl, String viewers,
String categoryTag) {

```

```

    return GestureDetector(

        onTap: () {

            Navigator.push(

                context,

                MaterialPageRoute(

```

```

        builder: (context) => GameDetailsPage(

            title: title,

            imageUrl: imageUrl,

        ),

    ),

);

},

child: Column(

    crossAxisAlignment: CrossAxisAlignment.start,

    children: [

        // Game thumbnail

        Expanded(

            child: ClipRRect(

                borderRadius: BorderRadius.circular(4),

                child: Image.network(

                    imageUrl,

                    fit: BoxFit.cover,

                    width: double.infinity,

                    loadingBuilder: (context, child, loadingProgress) {

                        if (loadingProgress == null) return child;

                        return Container(

                            color: Colors.grey[800],

                            child: Center(

```

```

        child: CircularProgressIndicator(

          color: const Color(0xFF9147FF),

          value: loadingProgress.expectedTotalBytes != null

            ? loadingProgress.cumulativeBytesLoaded /

              loadingProgress.expectedTotalBytes!

            : null,

        ),

      ),

    );

  },

  errorBuilder: (context, error, stackTrace) {

    return Container(

      color: Colors.grey[800],

      child: const Center(

        child: Icon(Icons.error, color: Colors.white),

      ),

    );

  },

),

),

),

const SizedBox(height: 6),

```



```
// Game title

Text(

  title,

  style: const TextStyle(

    color: Colors.white,

    fontSize: 14,

    fontWeight: FontWeight.bold,

  ),

  maxLines: 1,

  overflow: TextOverflow.ellipsis,

),

const SizedBox(height: 2),

// Viewer count - FIX: Wrap in a SizedBox with width constraint
to prevent overflow

SizedBox(

  width: 98, // Set a fixed width that fits within the card

  child: Row(

    children: [

      Container(

        width: 8,

        height: 8,
```

```
        decoration: const BoxDecoration(

          color: Colors.red,

          shape: BoxShape.circle,

        ),

      ),

    const SizedBox(width: 4),

    Flexible(

      child: Text(

        '$viewers Viewers',

        style: TextStyle(

          color: Colors.grey[400],

          fontSize: 12,

        ),

        maxLines: 1,

        overflow: TextOverflow.ellipsis,

      ),

    ),

  ],

),

const SizedBox(height: 4),
```

```
// Category tag

Container(

  padding: const EdgeInsets.symmetric(horizontal: 8, vertical:
4),

  decoration: BoxDecoration(

    color: Colors.grey[800],

    borderRadius: BorderRadius.circular(12),

  ),

  child: Text(

    categoryTag,

    style: const TextStyle(

      color: Colors.white,

      fontSize: 12,

    ),

  ),

),

1,

),

);

}
```

//home_page.dart

```
@override

Widget build(BuildContext context) {

  return Scaffold(

    body: _pages[_selectedIndex],

    bottomNavigationBar: BottomNavigationBar(

      type: BottomNavigationBarType.fixed,

      backgroundColor: Colors.black,

      selectedItemColor: Colors.purple,

      unselectedItemColor: Colors.grey,

      currentIndex: _selectedIndex,

      onTap: _onItemTapped,

      items: [

        BottomNavigationBarItem(icon: Icon(Icons.home), label: "Home"),

        BottomNavigationBarItem(icon: Icon(Icons.search), label:
"Browse"),

        BottomNavigationBarItem(icon: Icon(Icons.add), label: "Add"),

        BottomNavigationBarItem(icon: Icon(Icons.notifications), label:
"Activity"),

        BottomNavigationBarItem(icon: Icon(Icons.person), label:
"Profile"),

      ],

    ),

  );
}
```

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

00:14 M M G ○ •



Twitch Reels

No Clips Available


Home


Browse


Add


Activity


Profile



20:55



Categories

Live Channels



Just Chatting

346K Viewers

IRL



VALORANT

72K Viewers

FPS



Marvel Rivals

48.2K Viewers

Shooter



Dota 2

114.6K Viewers

Strategy



Counter-Strike

369.3K Viewers

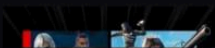
FPS



League of Legends

191.2K Viewers

RPG



Home



Browse



Activity



Profile



23:55 M M G ○ •



Video Player



Gaules



Follow



Dia 4 ESL Pro League Season 21 Stage ...



ZeneTTi_: PAREI FAMILIAAAAAAAA



bigzera99: era pra quebrar os caras



fortown: Não quer ganhar quita da lobby, é melhor.



LucasBarbossa: Eu mesmo não



mrmundodosnerds: mas na moral pq foi abrindo um de cada vez



ajato1: @llauqstv segunda acaba a mamata, voltam minhas aulas, aí é loucura demais.



Slow Mode

Send a message

