Podcast plus:A Redux inspired podcast app with dynamic themes for android

ABSTRACT:

A project that demonstrates the use of Android Jetpack Compose to build a UI for podcast player app. Podcast player app is a sample project built using the Android Compose UI toolkit. A Compose implementation of the podcast player app. The app allows users to choose, play and pause podcast.

INTRODUCTION:

Podcast plus is an Android-oriented design language created by Google, supporting onscreen touch experiences via cue-rich features and natural motions that mimic real-world objects. Designers optimize users' experience with 3D effects, realistic lighting and animation features in immersive, platform-consistent GUIs.

BUILDING APPLICATION UI:

Podcast plus ,which can include audio, video , PDF, and epub files are subscribed to and downloaded through web syndication or streamed online to a computer or mobile device, subscribers are then able to view listen to ,and transfer the episodes to a variety of media player or podcatchers.

COMPONENTS IN MATERIAL DESIGN:

They can be organized into five categories based on their purpose:

- Action

- containment

- navigation

- selection

- text input

PRINCIPLES:

The three main principles of the Podcast player app are being bold, depictive and purposefulness. Podcast plus is undoubtedly a design made with a minimalistic approach. In simple words, you aren't required to employ numerous designing tools and style preferences.

ELEMENTS OF DESIGN:

Design elements are the basic units of any visual design which form its structure and convey visual messages. The elements of design are line, shape, form, space, texture, tone (or value) and color, "These elements are the materials from which all designs are built."

CREATE THE PACKAGE MANIFEST:

To create the package manifest

1. Create a directory for the bootstrapper package. This example uses C:\package.

2. Create a subdirectory with the name of the locale, such as en for English.

3. In Visual Studio, create an XML file that is named package.xml, and save it to the C:\package\en folder.

4. Add XML to list the name of the bootstrapper package, the culture for this localized package manifest, and the optional license agreement. The following XML uses the variables DisplayName and Culture, which are defined in a later element.

XML

<Package

xmlns="http://schemas.microsoft.com/developer/2004/01/bootstrapper"

Name="DisplayName"

Culture="Culture"

LicenseAgreement="eula.txt">

5. Add XML to list all the files that are in the locale-specific

directory. The following XML uses a file that is named eula.txt that is

applicable for the en locale.

XMLCopy

<PackageFiles>

<PackageFile Name="eula.txt"/>

</PackageFiles>

6. Add XML to define localizable strings for the bootstrapper

package. The following XML adds error strings for the en locale.

XMLCopy

<Strings>

<String Name="DisplayName">Custom Bootstrapper

Package</String>

<String Name="CultureName">en</String>

<String Name="NotAnAdmin">You must be an administrator to

Install

this package.</String>

<String Name="GeneralFailure">A general error has occurred while
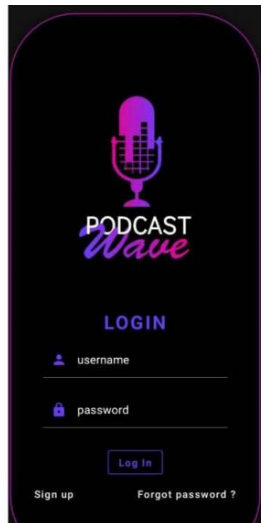
installing this package.</String>

</Strings>

7. Copy the C:\package folder to the Visual Studio bootstrapper

directory. For Visual Studio 2010, this is the \Program Files\Microsoft

SDKs\Windows\v7.0A\Bootstrapper\Packages directory.

Example:

The package manifest contains locale-specific information, such as error messages, software license terms, and language packs.

XML

```xml
<?xml version="1.0" encoding="utf-8" ?>
<Package
xmlns="http://schemas.microsoft.com/developer/2004/01/bootstrapper"
Name="DisplayName"
Culture="Culture"
LicenseAgreement="eula.txt">
<PackageFiles>
<PackageFile Name="eula.txt"/>
</PackageFiles>
<Strings>
<String Name="DisplayName">Custom Bootstrapper
Package</String>
<String Name="Culture">en</String>
<String Name="NotAnAdmin">You must be an administrator to
install this package.</String>
<String Name="GeneralFailure">A general error has occurred while
installing this package.</String>
</Strings>
</Package>
```
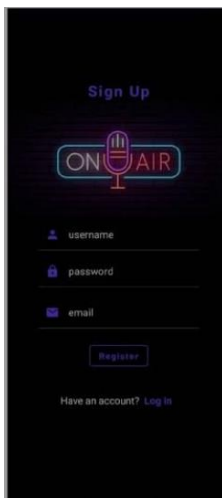
OUTPUT:

Final output of the application

LOGIN PAGE:

REGISTER PAGE:

MAIN NEW HEAD LINE PAGE

CONCLUSION:

Podcasts have become increasingly popular in recentyears, with millions of people tuning in to their favorite shows each week. With this surgein popularity, there are now many different podcast apps available to choose from. Some of the most popular options include Apple Podcasts, Spotify, Google Podcasts, Overcast,Pocket Casts, and Stitcher.