Media Oasis is a stand-alone mobile app expansion to the fictional “Oasis” brand, built on top of the Café Oasis project that is a coffee shop mobile app that sells different types of coffee, biscuits & drinks. Media Oasis is essentially Café Oasis but now it sells entertainment products such as Movies, Video Games, DVD’s and other visual media in physical form.

Media Oasis aims to be an improvement over Café Oasis and will fix problems and missing content that was in the Café Oasis Mobile App.

Tools

* Android Studio
* Figma to design user-interface
* Google Images to locate images for items that will be sold
* Doxygen for documentation

Planned UI Design on Figma are located in the Media Oasis UI Screen Designs From Figma.pdf file, which displays all the planned user-interface activity designs in terms of colour, font, positioning, spacing and UI controls.

A screenshot of a phone

Description automatically generatedA screenshot of a phone

Description automatically generatedA person looking at a shelf

Description automatically generated

Figure 3 Example of UI Design for Payment

Figure 2 Example of UI Design for Menu

Figure 1 Example of UI Design for Login

**References**

* Rounded Button Tutorial [*https://medium.com/swlh/rounded-button-in-android-studios-fbd1ee0b3161#:~:text=Color%20and%20corner%20radius%20for,%E2%80%9D%40drawable%2Frounded\_corner%20%E2%80%9D%20.*](https://medium.com/swlh/rounded-button-in-android-studios-fbd1ee0b3161%23:~:text=Color%20and%20corner%20radius%20for,%E2%80%9D%40drawable%2Frounded_corner%20%E2%80%9D%20.)
* White Border Layout Code <https://stackoverflow.com/questions/38787794/android-adding-border-around-textview>

*<?xml version="1.0" encoding="utf-8"?>*

*<shape xmlns:android="http://schemas.android.com/apk/res/android"*

*android:shape="rectangle" >*

*<stroke*

*android:width="2dp"*

*android:color="#cdcdcd" />*

*</shape>’*

* Adding custom fonts <https://developer.android.com/develop/ui/views/text-and-emoji/fonts-in-xml>
* Changing the launcher icon of your Android app in Android Studio <https://www.youtube.com/watch?v=bJjHgWjiAKw>
* Showing / Hiding password in editText of type textPassword <https://www.scribd.com/document/716398701/Android-Show-Hide-Password-in-Edittext>
* Changing spinner text size and colour <https://stackoverflow.com/questions/9476665/how-to-change-spinner-text-size-and-text-color>
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* Slidable Navigation Drawer Tutorial and Explanation <https://www.youtube.com/watch?v=do4vb0MdLFY>
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* Alert Dialog and Buttons + Status Bar Colour modification <https://www.geeksforgeeks.org/how-to-set-buttons-inside-an-alert-dialog-in-android/>
* Reducing size of the ratingBar <https://smartandroidians.blogspot.com/2020/02/how-to-reduce-size-of-ratingbar.html>
* CountDown Timer <https://stackoverflow.com/questions/54095875/how-to-create-a-simple-countdown-timer-in-kotlin>
* Fixing canvas drawing too large issue: <https://www.reddit.com/r/androiddev/comments/px384u/javalangruntimeexception_canvas_trying_to_draw/>

*“u/CaptainRoger10 - Because the image size is too large, reduce the image size.”*

* Using findViewById() method within a fragment<https://www.repeato.app/how-to-use-findviewbyid-in-a-fragment/>
* Using the Kotlin addTextChangeListener <https://stackoverflow.com/questions/40569436/kotlin-addtextchangelistener-lambda>

**Image Sources**

* Media Oasis logo [*https://logo.com/logos/artificial-intelligence*](https://logo.com/logos/artificial-intelligence)
* Man looking at DVD Section (Splash) [*https://www.istockphoto.com/photo/this-better-have-loads-of-action-in-it-gm158220812-22390209*](https://www.istockphoto.com/photo/this-better-have-loads-of-action-in-it-gm158220812-22390209)
* Logout Button *<https://www.flaticon.com/free-icon/log-out_7756285?term=logout&page=1&position=29&origin=tag&related_id=7756285>*
* [placeholder image](https://www.flaticon.com/free-icon/log-out_7756285?term=logout&page=1&position=29&origin=tag&related_id=7756285) *[https://archive.org/details/placeholder-image](https://www.flaticon.com/free-icon/log-out_7756285?term=logout&page=1&position=29&origin=tag&related_id=7756285)*
* Checkmark [*https://commons.wikimedia.org/wiki/File:Eo\_circle\_green\_checkmark.svg*](https://commons.wikimedia.org/wiki/File:Eo_circle_green_checkmark.svg)
* PayPal [*https://upload.wikimedia.org/wikipedia/commons/a/a4/Paypal\_2014\_logo.png*](https://upload.wikimedia.org/wikipedia/commons/a/a4/Paypal_2014_logo.png)
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* Shopping Cart Icon[*https://www.flaticon.com/free-icon/shopping-cart\_1413908*](https://www.flaticon.com/free-icon/shopping-cart_1413908)