



Mahidol University International College

EGCI 428: Mobile Programming

Final Report: Mobile Programming report

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Project Description

Our smartphone application, Personal Mu, provides users with fortunate colors based on their distinct skin tones. As a result our application offers personalized color recommendations, and the application aims to help users make informed choices about the colors they wear. Choosing the wrong color can make our face appear overly light or dark, and selecting the shade that best compliments them can boost our self-confidence. Therefore there are questions or methods to determine how we look as a result, and our application will ensure that the user is aware of their unique shade. Additionally, some people frequently have notions that certain things should be represented by certain colors in clothing or attire. In our application, we choose to combine this idea with the user's own color shade by recommending the fortunate color and alerting them to the unlucky color in the user's preferred tone. As a consequence, users of our programme will be able to dress in their preferred field's lucky color, wearing the wrong color can bring them bad luck.

Features of the application

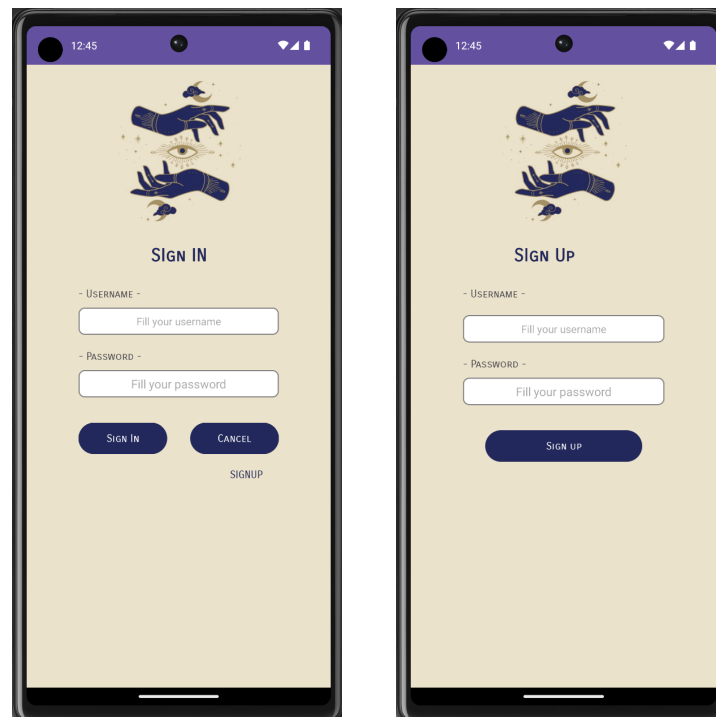
The first page of the application will be the sign-in page. If a person doesn't already have an account, they must click the sign up button on the sign in page. The user is required to enter both a username and password. Users were requested to answer questions about their own colors after providing all the necessary data. As soon as they clicked "submit," the programme calculated and displayed the user's tone (Cool tone or warm tone). Then, in order to use the programme, the user must sign in then it will take them to the homepage of the application.

The programme will direct the user to the three functionalities we've mentioned when they log in. The date, skin tone, and suggested lucky color for that day are shown on the homepage. The menu tab will be shown in three lines on the upper left of the programme. The

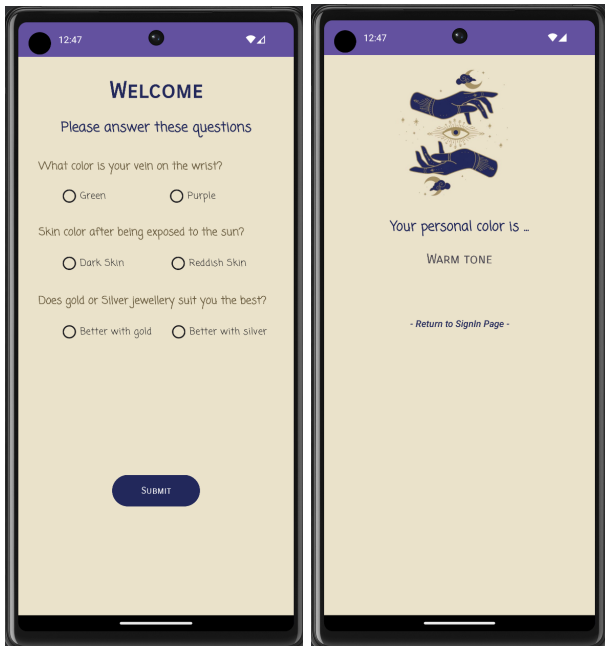
Today's Colour tab, which is the main page, the Lucky Draw tab, and the Check Tone tab will be the three tabs on the menu. In the case of the fortunate draw tab, clicking on it will direct the user to the fortune cup. The user must shake their phone in order to receive the fate, and the fortune will then show below the fortune cup. The check tone tab is last. This feature asks the user to take a photo of their face, which is then compared to 4 different color palettes to determine if they have a warm or cold tone (warm tones are associated with spring and summer, while cool tones are associated with winter and fall). Finally, the three primary functions that our programme, Personal Mu, offers are testing your particular color tone and today's lucky color. In order to assist individuals identify their particular color and wear the fortunate color shirt in the category they choose, these three aspects have been combined.

Brief Design note and diagram

Sign In page and Sign Up page



Question Page and Result Page (Skin tone)



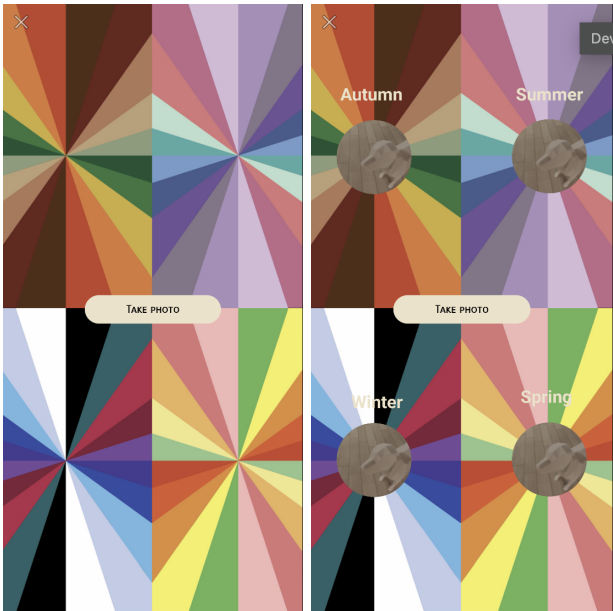
Homepage and Navigation tab



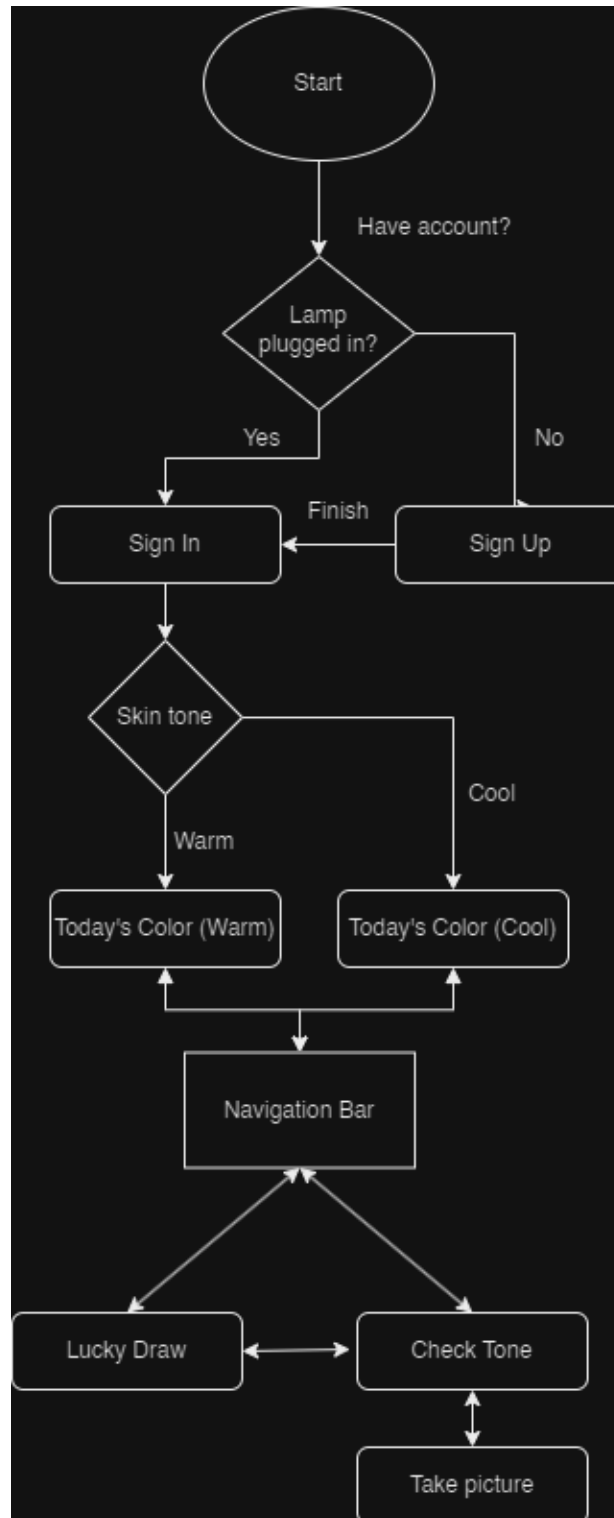
Lucky Draw Page



Check Tone Page



Flowchart



References

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<https://www.geeksforgeeks.org/radiobutton-in-kotlin/> (Accessed: 13 July 2023).