

## **2023 – Lab Exam 01**

### **Report**

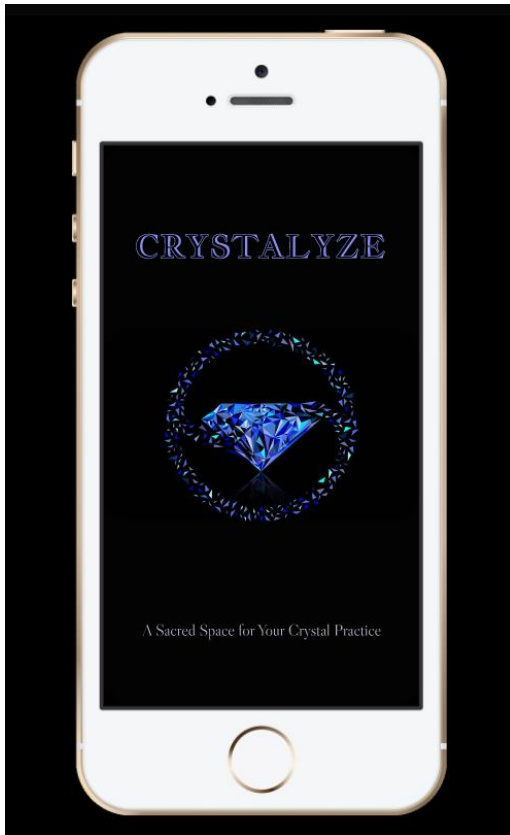
#### **Description**

A crystal scanning app utilizes a device's camera to capture images of crystals and gemstones. It employs advanced algorithms to analyze characteristics such as color, clarity, and structure, providing users with detailed information about the scanned crystals. Thereby it can distinguish whether the crystal is genuine or fake. Furthermore, according to users preference can learn about the type, origin, properties, and potential value of crystals through the app's database. Also, the effect the shape of the moon is also important while using crystals and by this app can give an idea of the cycle of the moon. Other than that following are the users in this app and how this is important to them.

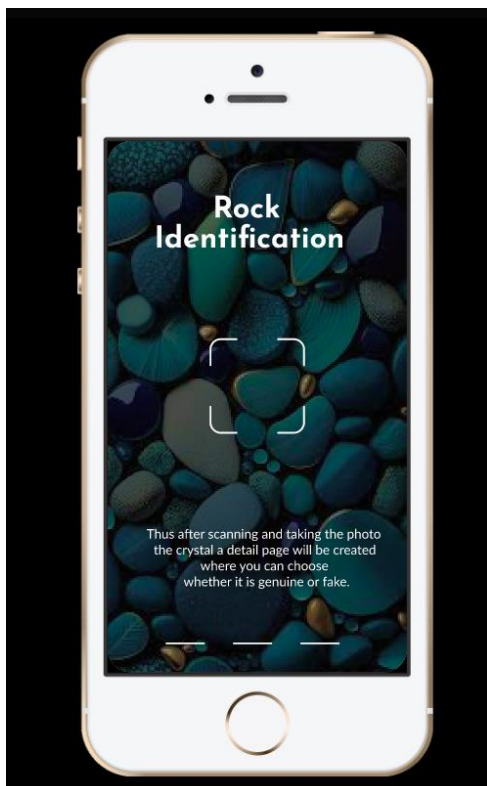
- Crystal Enthusiasts : Love crystals for how they look, their special powers, and because they can be valuable.
- Holistic Practitioners : Use crystals for helping people heal and feel better spiritually.
- Gemologists and Geologists: Study rocks and crystals to learn how they form and what they're made of.
- Newcomers to Crystal Healing: Want to know more about crystals and how they can help with healing.
- Collectors: Like to gather crystals because they're pretty, rare, or can be worth a lot of money.
- Spiritual Seekers: Use crystals to help them feel more connected spiritually and to grow personally.

## Screen Shots

### App Logo and Launch Screen



### User Onboarding Screens





## Crystal Collection

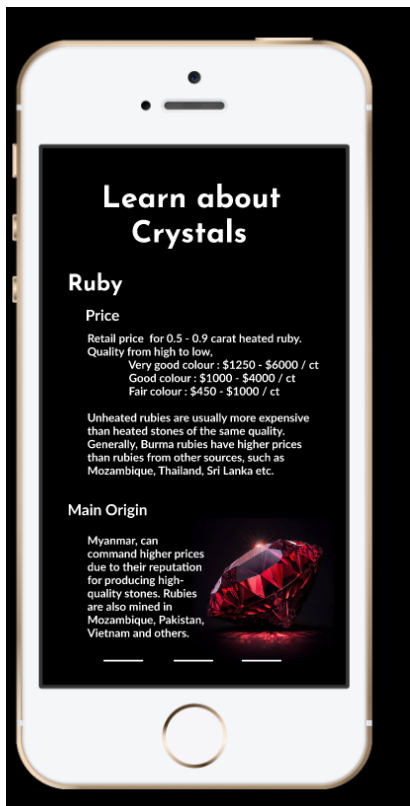
As follows under the "My Collection" page, you can add images and details of the Items like Favourite, Wishlist and etc.



Blue diamonds, incredibly rare, hold immense allure, featuring in films and folklore. Despite their scarcity less than 0.02% of all diamonds. They enchant admirers.



Emerald, iconic for its green hue, is a captivating member of the beryl family and part of the prestigious 'Big Four' gems. Colombian emeralds fetch top prices, followed by Ethiopian and Brazilian finds.



## Learn about Crystals

### Ruby

#### Price

Retail price, for 0.5 - 0.9 carat heated ruby.  
Quality from high to low,  
Very good colour : \$1250 - \$6000 / ct  
Good colour : \$1000 - \$4000 / ct  
Fair colour : \$450 - \$1000 / ct

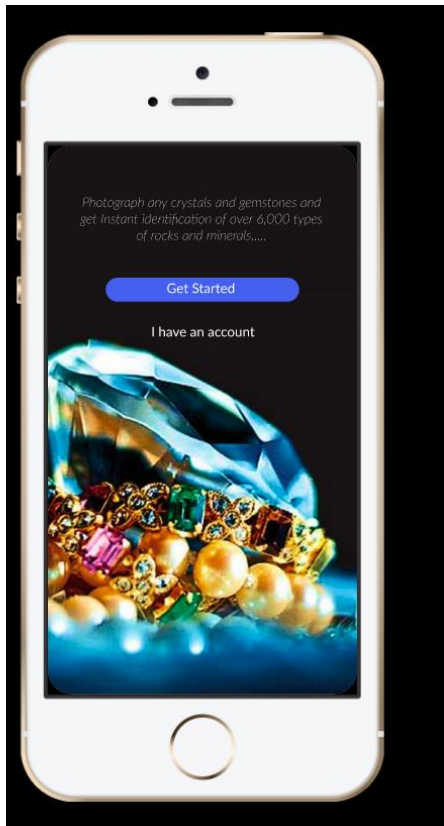
Unheated rubies are usually more expensive than heated stones of the same quality. Generally, Burma rubies have higher prices than rubies from other sources, such as Mozambique, Thailand, Sri Lanka etc.

#### Main Origin

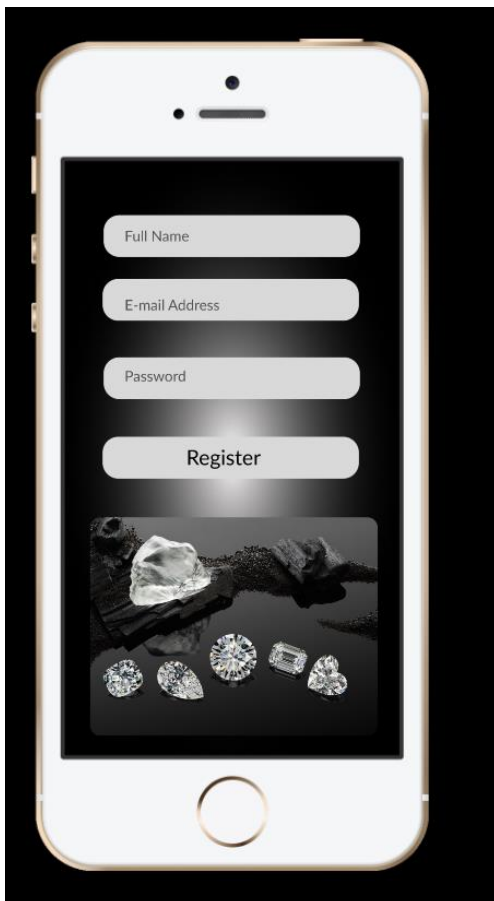
Myanmar, can command higher prices due to their reputation for producing high-quality stones. Rubies are also mined in Mozambique, Pakistan, Vietnam and others.

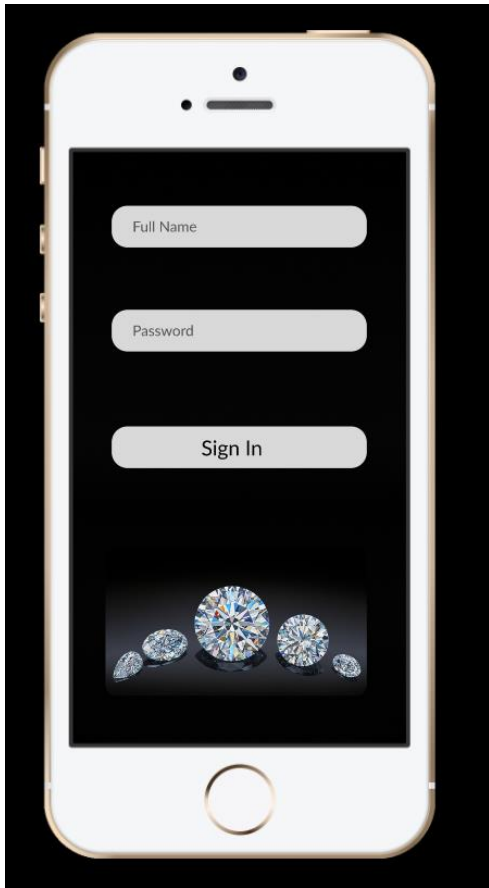


## Main Interface Design

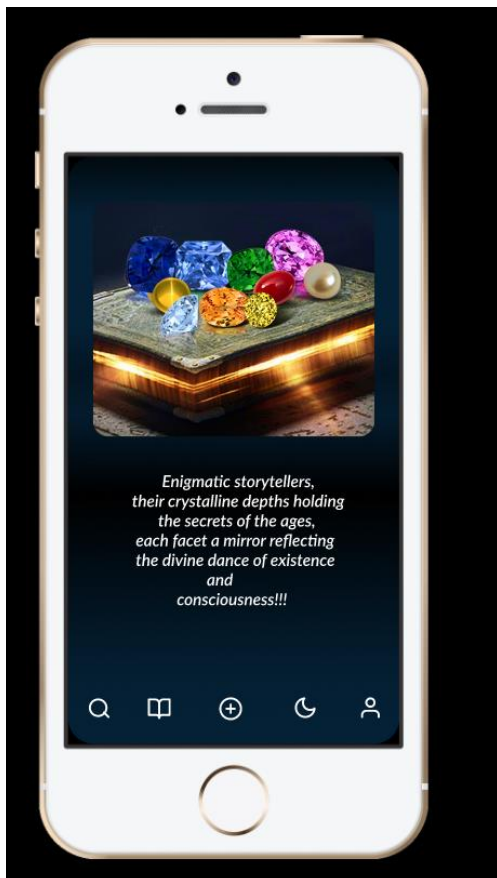


## Register and Sign In Pages

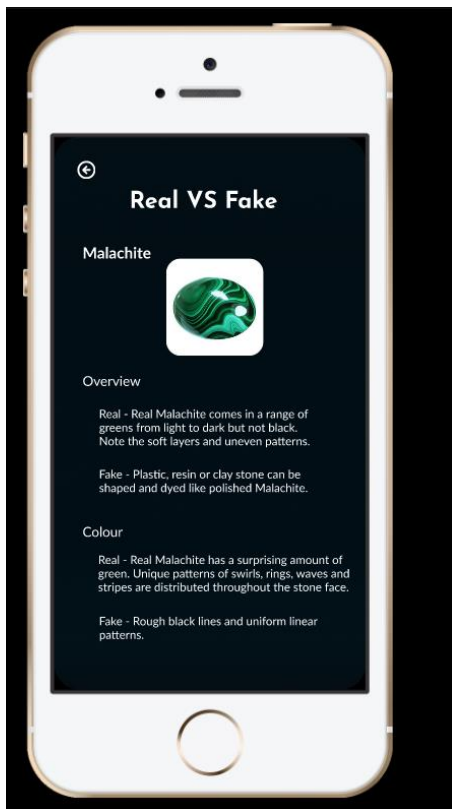
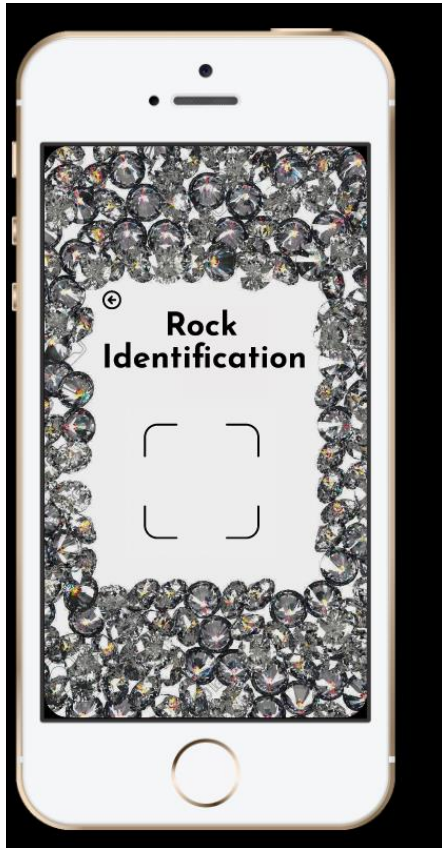




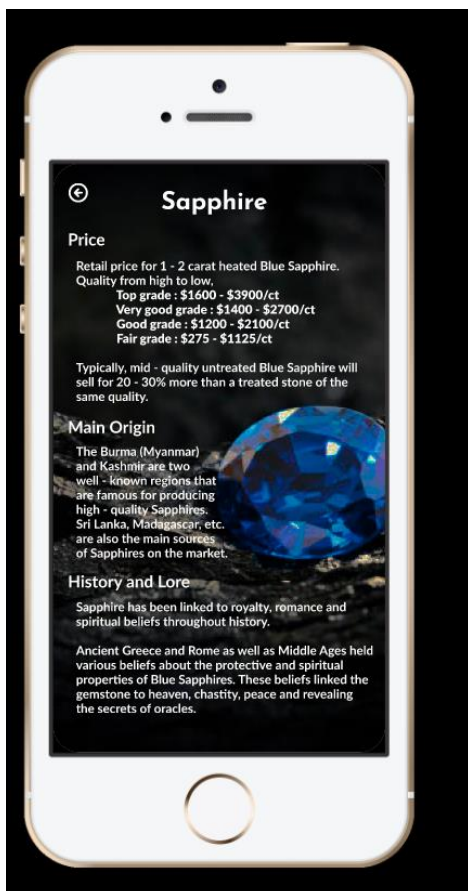
## Home Page



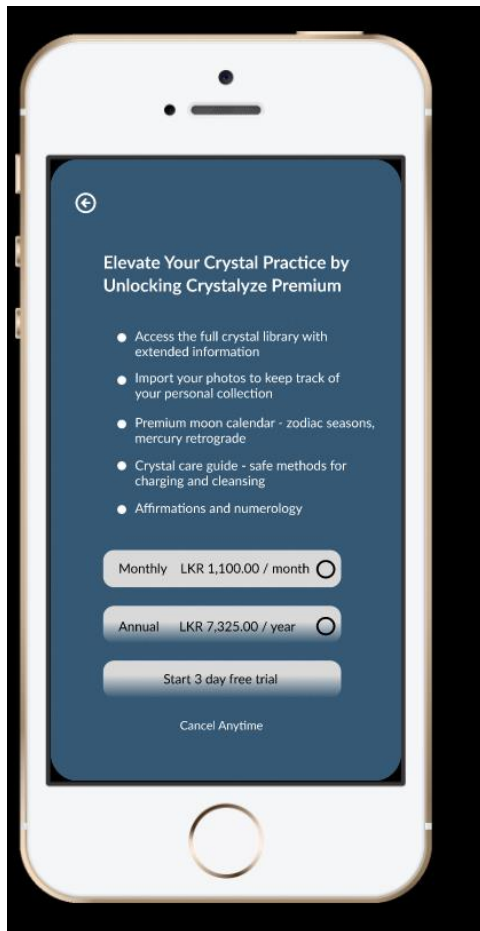
## Scanner and Find Genuine or Fake Pages



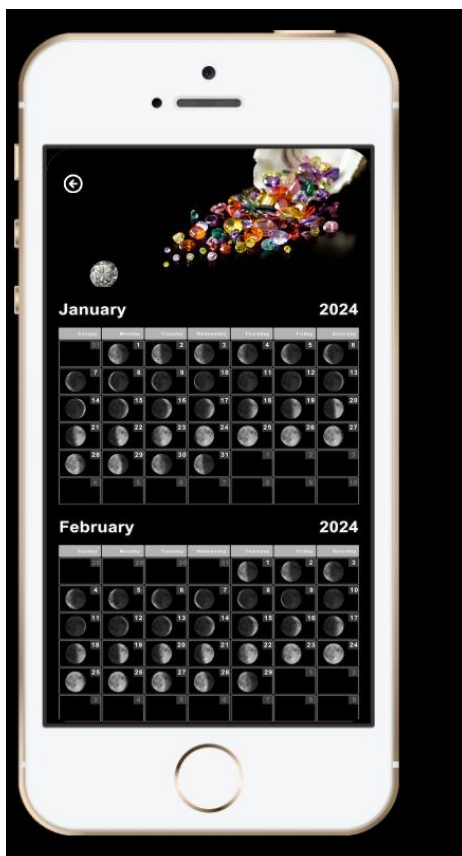
## Pages with Categories and Descriptions



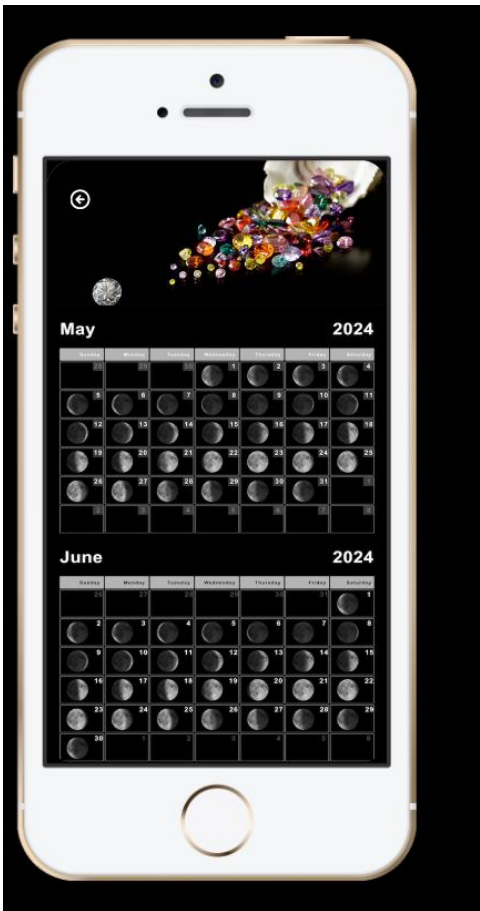
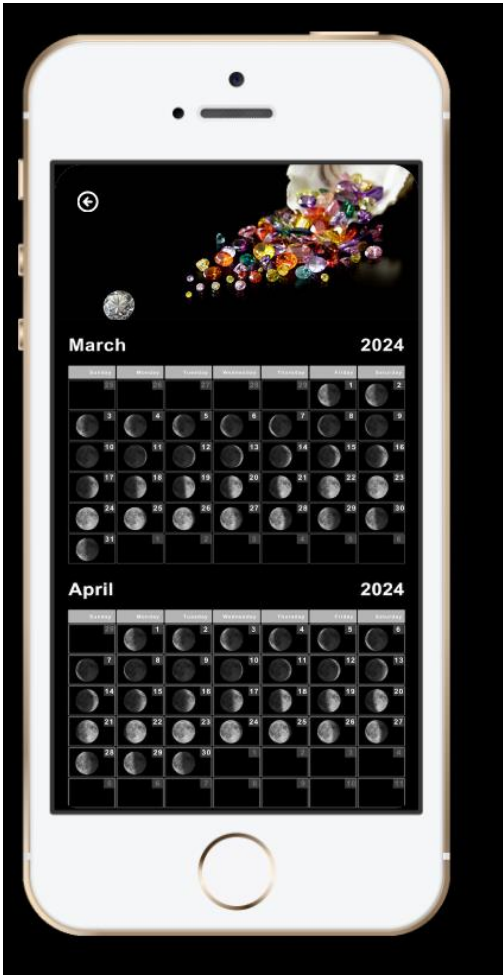
## Offer Page

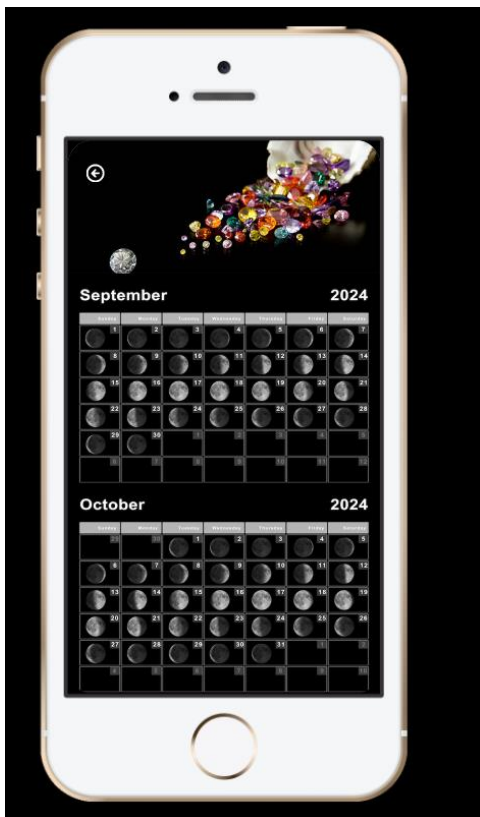


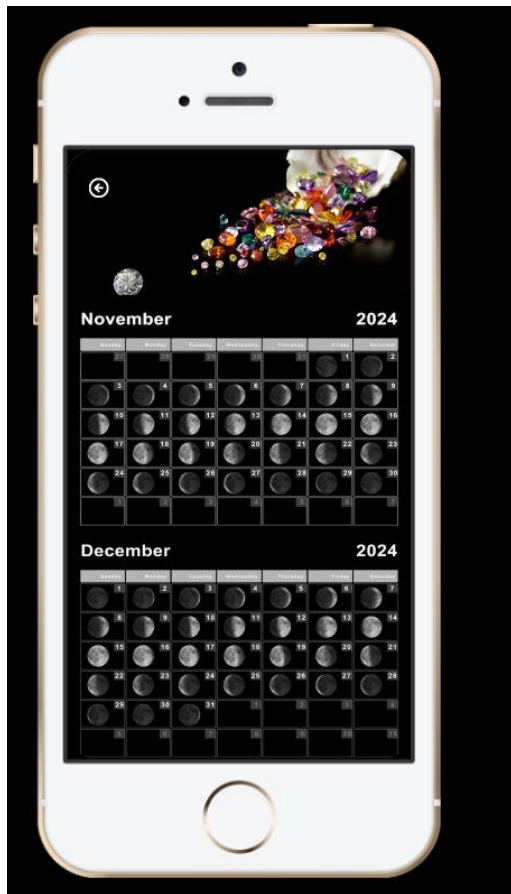
## Calendar with Moon Cycle





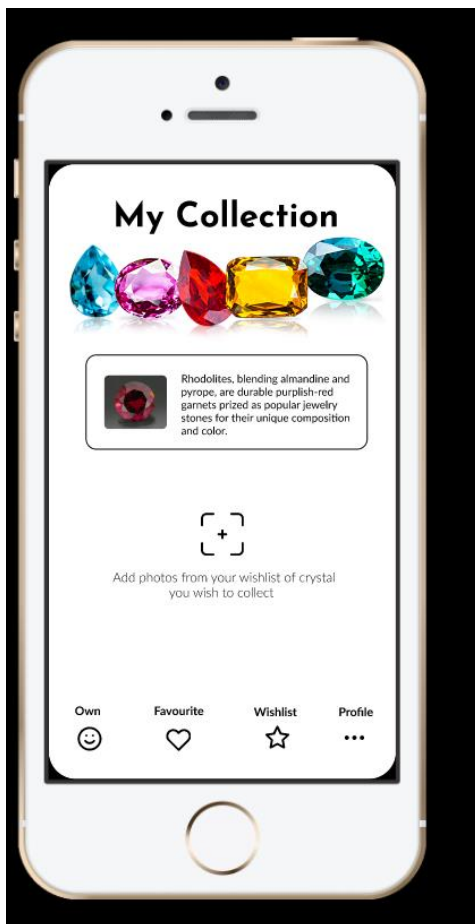
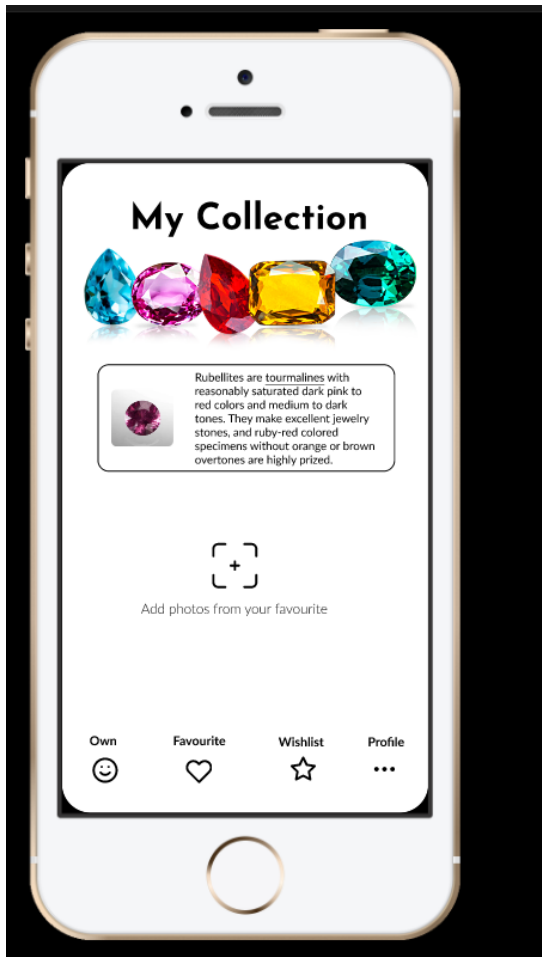






## Profile Section with Achievements (Own, Favourite, Wishlist)





## Profile Section (More)

