

Malaria Android App Extension Pitch

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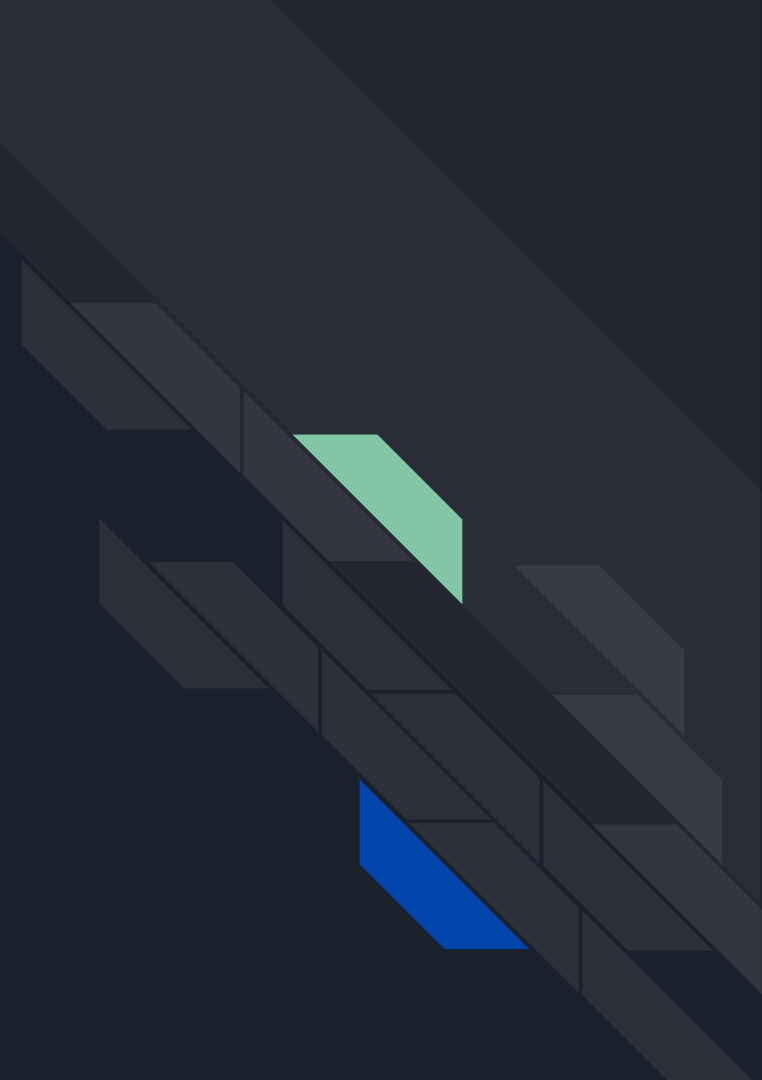
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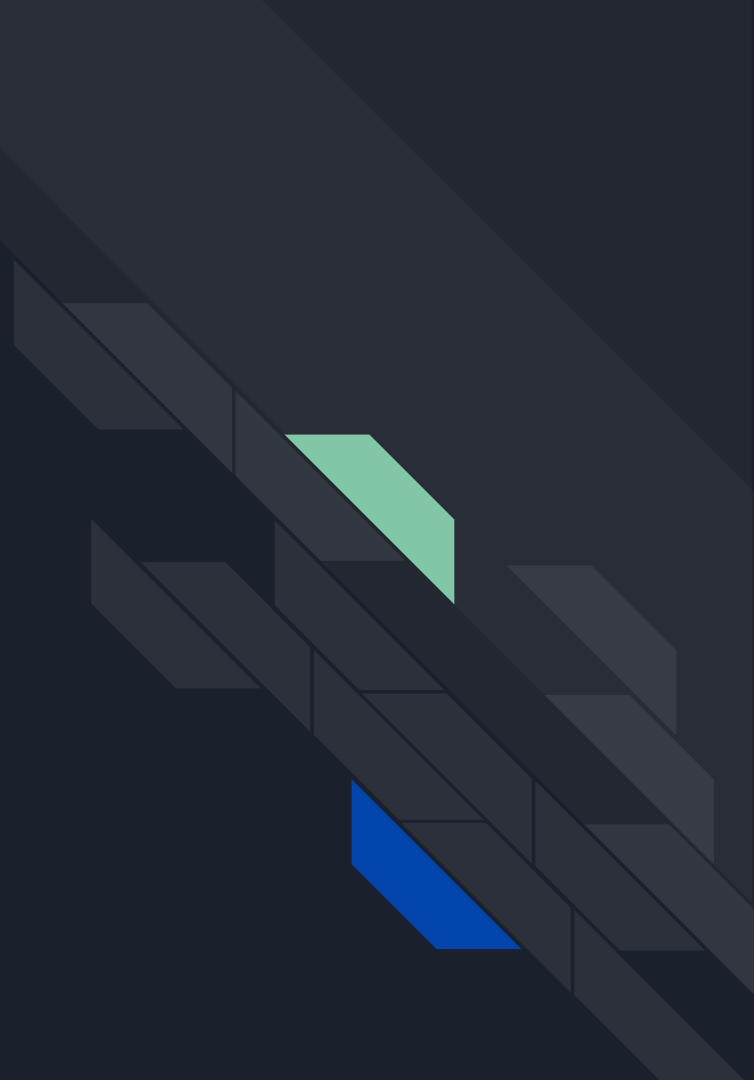
Overview

Mobile app that will aid the Volunteer in sustaining life-saving malaria prevention tactics over their 2+ years of service. Prevention is focused on sustained use of preventive medications, which are taken either daily or weekly, depending on the medicine.

**How can I
improve it
?**



1. Kotlin
2. Architecture
3. RxRoom
4. Articles/News
5. Daily Unknown Facts
6. NGOs
7. UI Improvements





Kotlin

Refractor entire app to Kotlin from Java,
because:

- *It's (way) More Concise Than Java*
- *Safer Code*
- *It Comes With a Smarter and Safer Compiler*
- *It Has Null in Its Type System*
- *And many more...*



Architecture

Introduction of MVVM Architecture

Advantages:

1. Loosely coupled state.
2. Less number of classes.
3. Less code.
4. Easier Testing.



RxRoom

Integrating RxJava + Room so that the methods have async return types and after integrating this, we need to just, observe the methods and UI will be updated on change in state of database.

Right now, we are only using Room library and we need to explicitly take care of background and main thread.



Articles/News

1. Integration of News/Articles only related to malaria in the app.
2. Beneficial for users suffering from Malaria.
3. Stay updated with latest : -
 - *Ways to cure malaria.*
 - *Information regarding disease.(medicines, treatment, symptoms, etc.)*
 - *Methods, government is taking to cure it or reduce it in upcoming years...*



Daily Unknown Fact

1. Integration of Daily Unknown Fact about malaria.
2. Will be displayed in the form of notification.
3. After clicking that notification, Detailed view will be opened up in the App.
4. Serves as the another source of information.

E.g. - Unknown Fact of Malaria :

“ Pregnant women are extremely vulnerable to malaria. If the disease is contracted during pregnancy, it can be passed to the infant or result in low birth weight, which decreases the baby’s chance of survival. ”

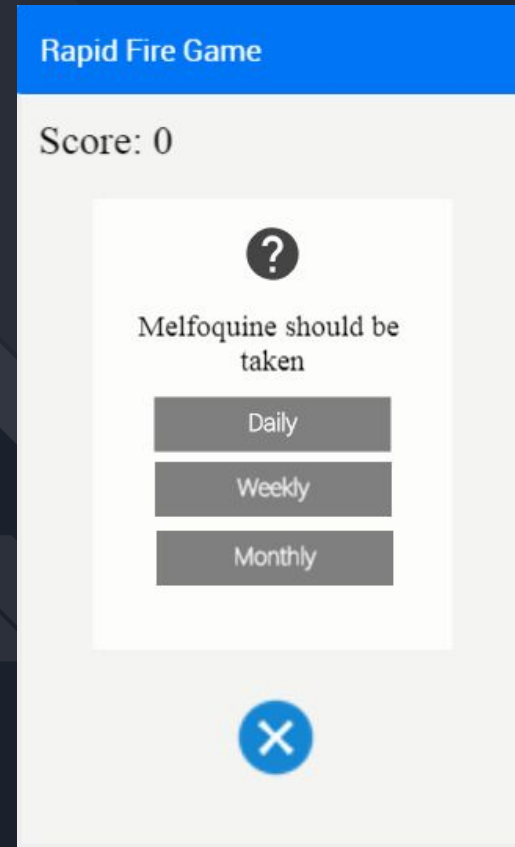
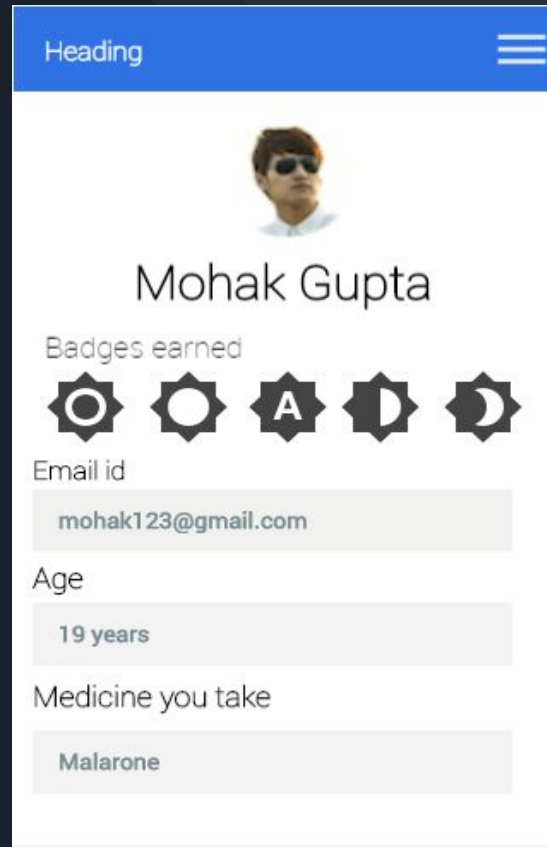
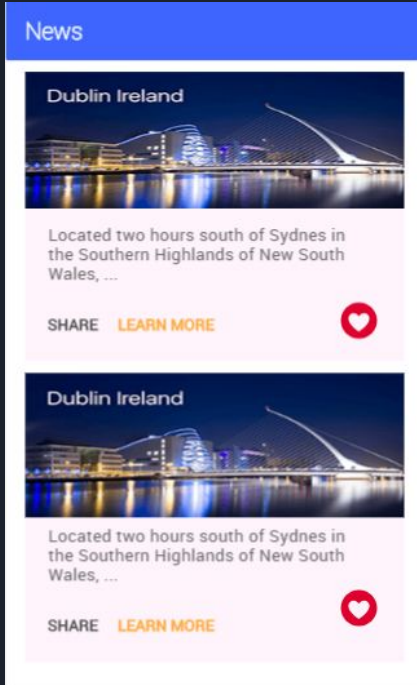


List of NGOs

1. Integration of List of some NGOs from all over the world who are fighting against Malaria and giving treatment and life to patients.
2. Details:
 - *Their Mission,*
 - *Progress,*
 - *How much impact they have spread in the society,*
 - *How to get in touch with them,*
 - *How one can be a part of such organization.*

UI Improvements

Some rough UI Mockups





Ideas under deliberation

- *Add more games in the app.*
- *Add more questions in the game.*
- *Add more badges and achievements in the app.*

That's all guys!

Questions, Suggestions and
Feedbacks are always welcome :)

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