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NO APP

CASE STUDY

Domain

No App is a software solution that focuses on providing support to women in distress. This automated app allows users to place a distress call to alert others that they need help. This app shares the location and user name of the distress caller.

Why Mobile App Development?

Mobile app development has become a standard and fundamental necessity for a successful business. It provides magnificent features as well as opportunities and advantages such as anytime, anywhere access and faster response rate than web browsing. Creating a safety app for women helps women to inform the Police, call centre, all 'NO' App users in the vicinity and the caller's group members that they are in distress and requires immediate assistance.

Objective

Create a reliable and accessible solution to help women in distress. NO app is an excellent app that focuses on the safety of women.

Challenges

- To activate or de-activate a distress call even when user is offline. This was resolved by sending SMS to server in background

- To test the radius of distress calls, setting up of mock locations were required. It also required field testing and expanding testing to larger audience to test the robustness of system.

Strategy

Our development team worked together with the client during each phase to meet the requirements. Feedbacks were collected from the client and corrections were made accordingly. The project was completed in 2 months. The team performed R&D on some specifications like handling silent notifications and performing functions in offline mode without internet.

What We Did?

Redbytes designed and developed a feature-rich safety app for women that allowed users to place a distress call to inform the Police, call centre, all 'NO' app users within a 10 km radius of the distress caller and the caller's group members that they require immediate help. Users were allowed to register as adult and minor via this mobile app, which reduced manual formalities. Users were given the privilege to create groups and join the other users groups.

Features of NO app

- real time location sharing

- Group edit option to add new members to group, delete the group and to change the group's name

- Leave group option

- *Cancel a distress call, if the caller feels the danger has passed or if the situation has resolved*

- *Shows the position of other 'NO' users in the vicinity and the position of the responders*

Design

We focused on a design that is simple and could provide greater customer experience.We created mock-ups and this was approved by the client. Multiple iterations were done for the design till client satisfaction was achieved.

Application Part

NO app is a native app that works efficiently on both Android and iOS platforms. Django REST Framework was used to build webAPIs and Firebase integration was used for location tracking.

The languages used to develop NO app are:
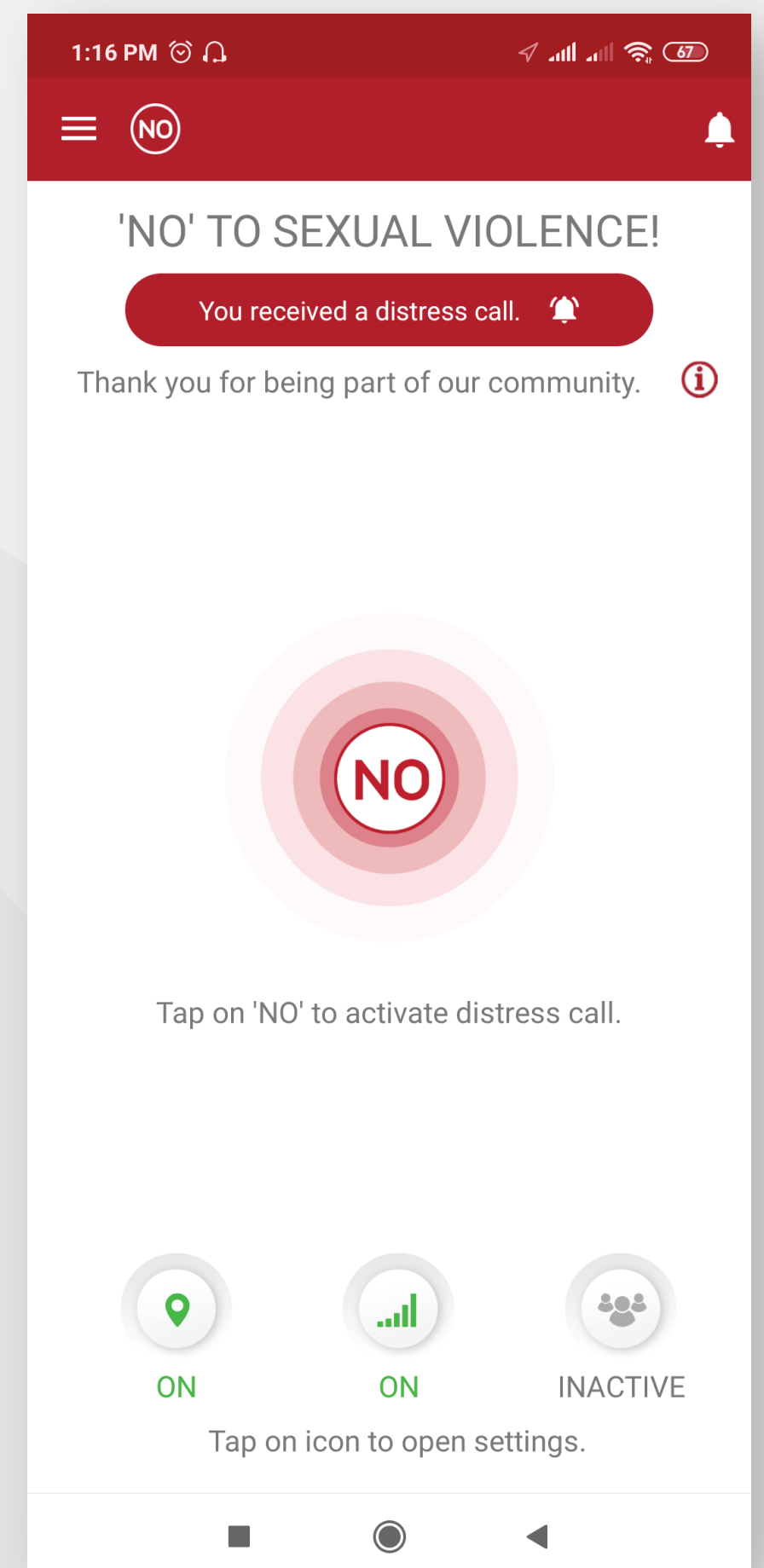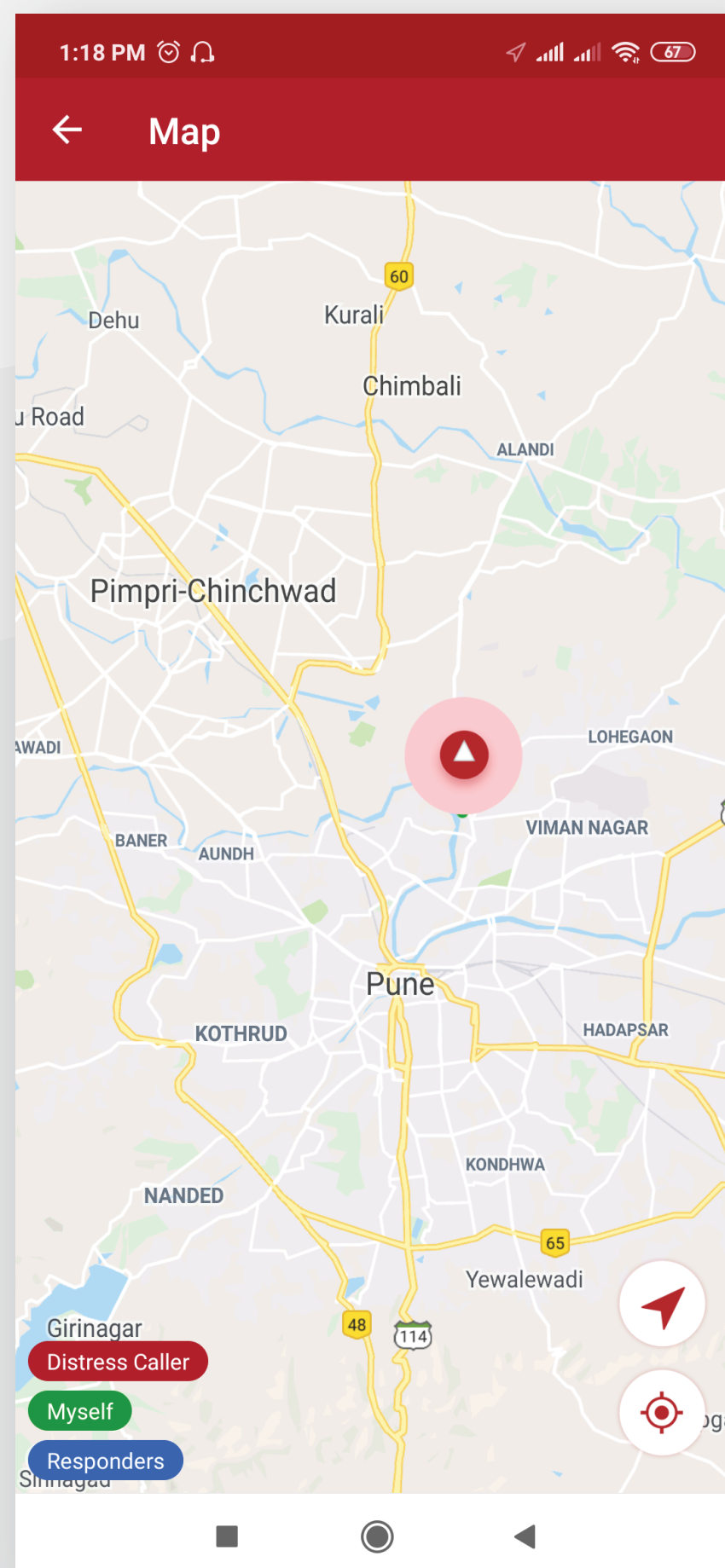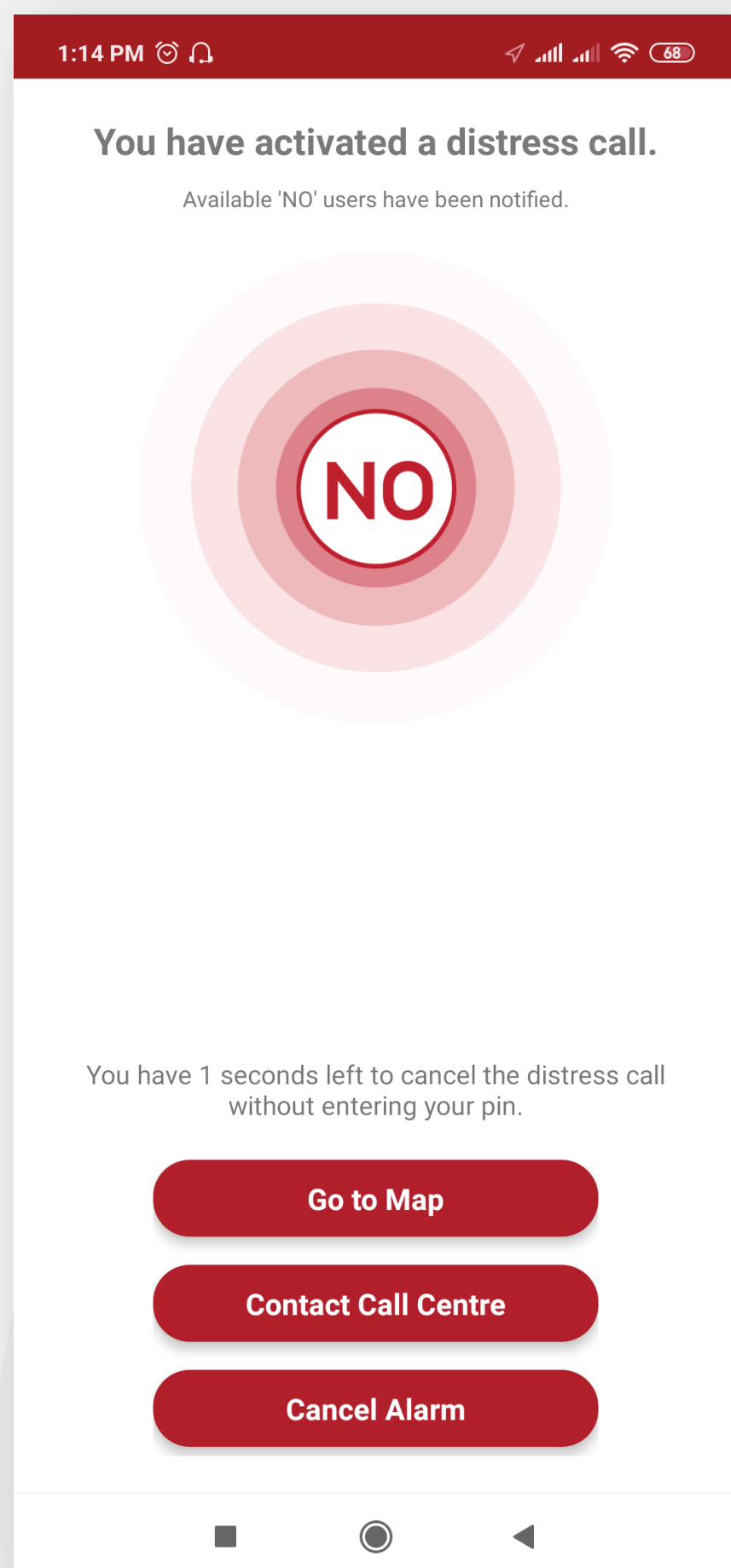
Android: Java

iOS: Swift

Backend: Python

Testing

The testing was performed by a third party agency and the issues were reported on GitLab. All reported issues were fixed in a week's time. Field testing and expanding testing were performed to test the robustness of system.

App Screenshots
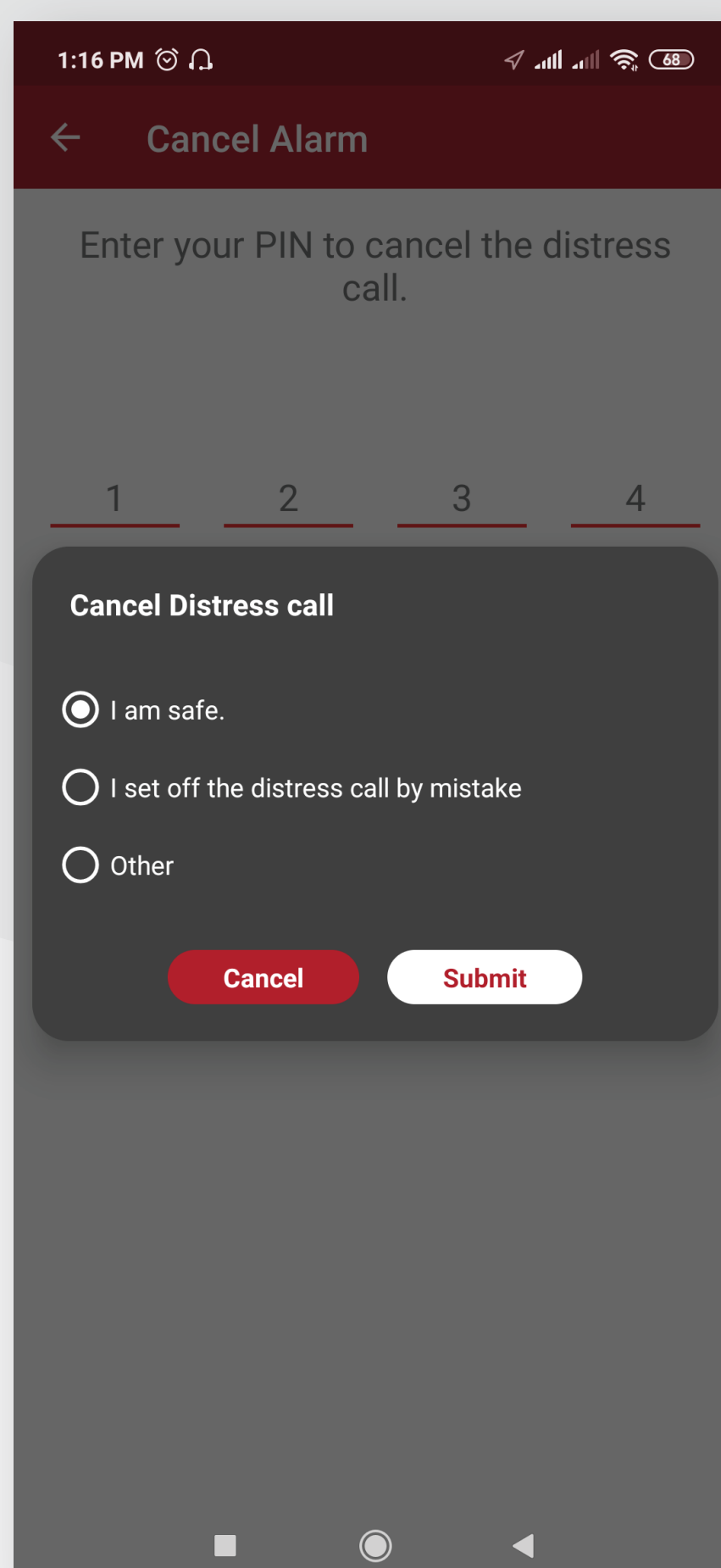
Our Client

Bayer Global

Bayer AG is a German multinational pharmaceutical life science company and one of the largest pharmaceutical companies in the world.
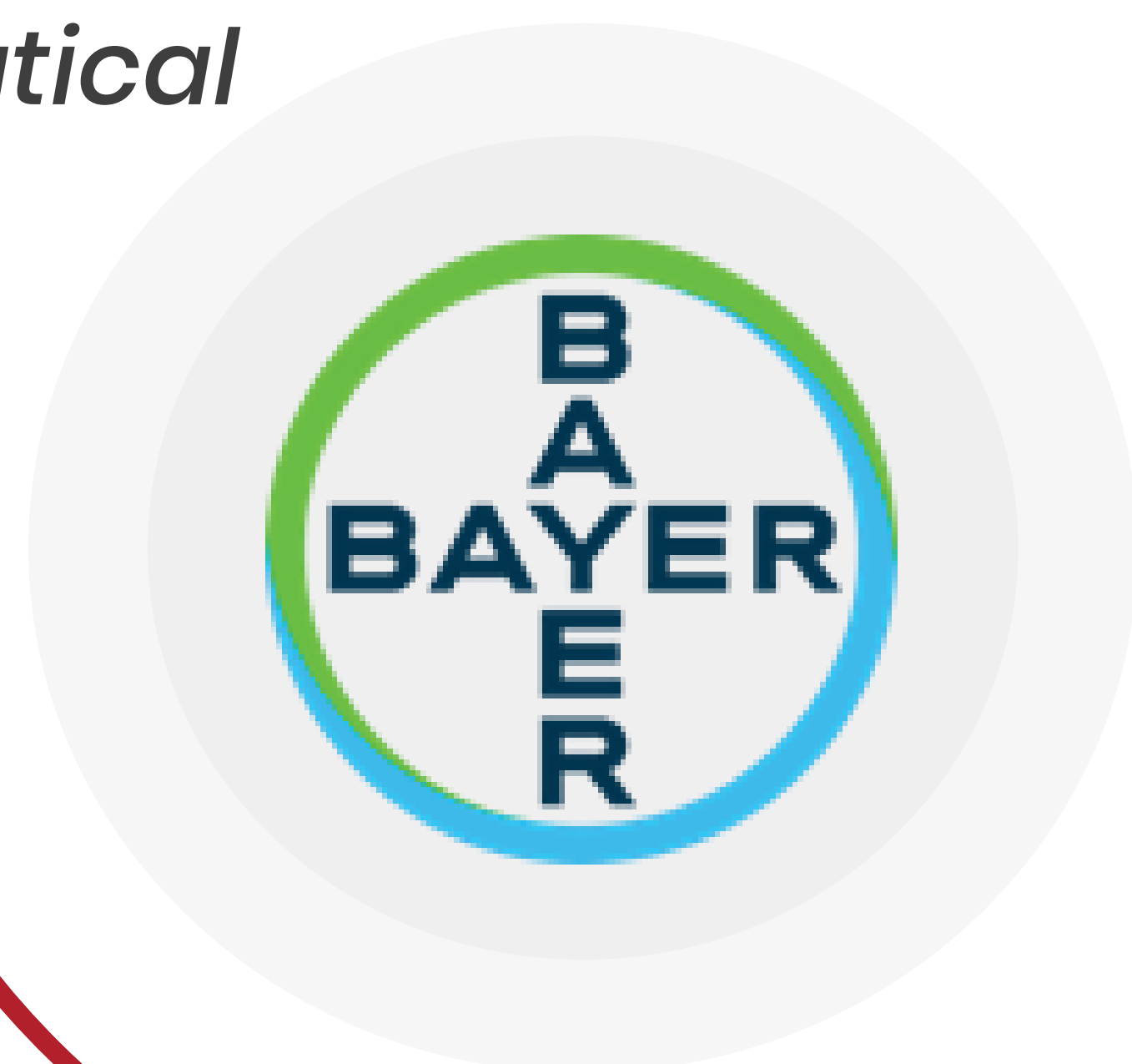
Contact Details

Bayer AG

📍 51368 Leverkusen, Germany

📱 Phone: +49 214 30-1

✉️ https://www.bayer.com

Resources

This app was the combined effort of a team of 4 people with impeccable knowledge that included Android and iOS developer, backend or web-services developer, tester, designer and a project manager.

Achievement

The team effort along with ideas from the client enabled us to deliver the NO app on time (a turnaround time of 2 months), which is turning to be a huge success. After submitting the app to app store, our client was completely happy and satisfied.
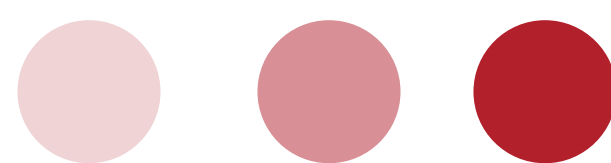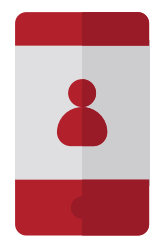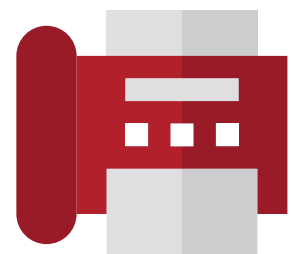
contact us

125/2, Sainiketan Colony,
Kalas road, Vishrantwadi,
Pune, Maharashtra-411015

info@redbytes.in

+91 8113 869 000

+91 904 701 6310