

HOME GUARD APP

Home Surveillance Camera
System Made Affordable

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PROBLEM STATEMENT

How can we have a flexible
home surveillance system?



PROBLEMS

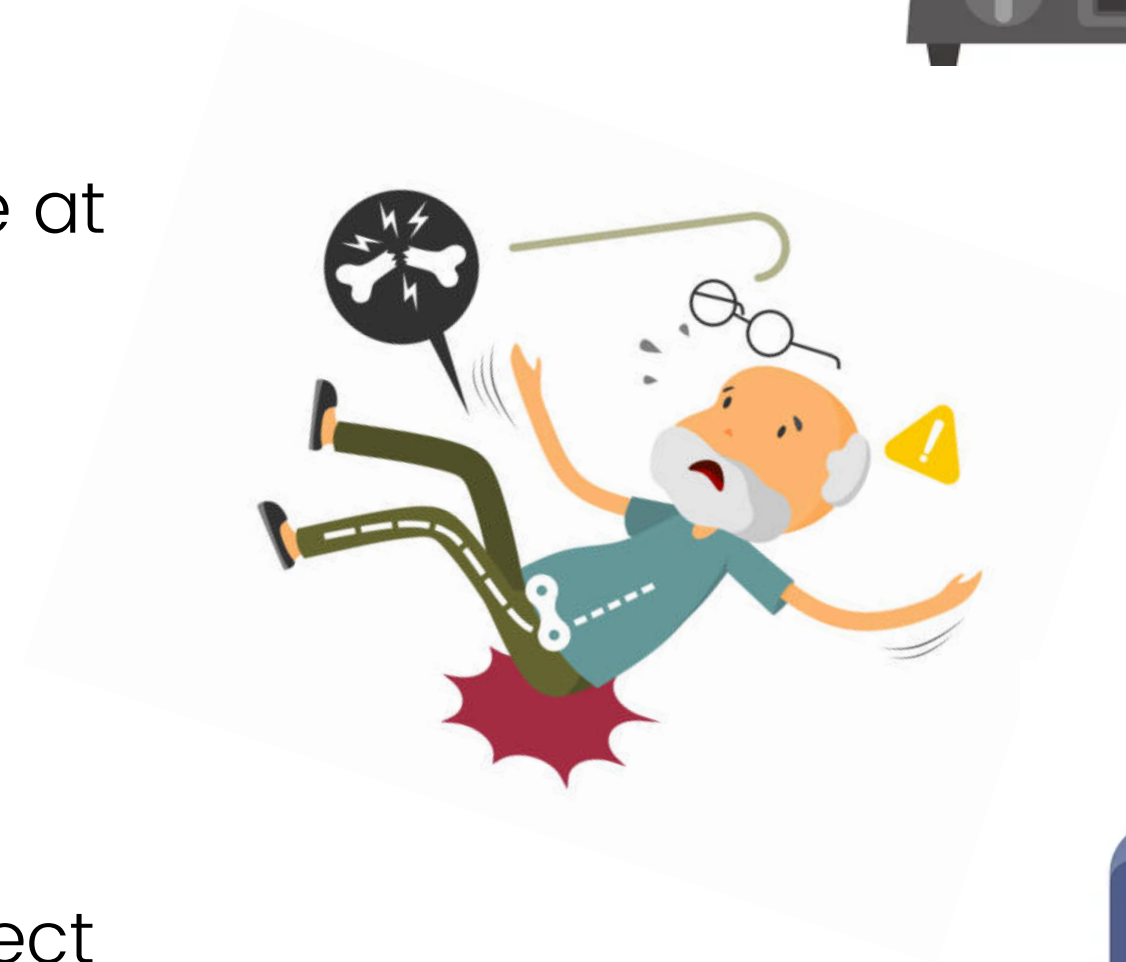
Did I forget to turn off the stove?

But I am already so far away from home.



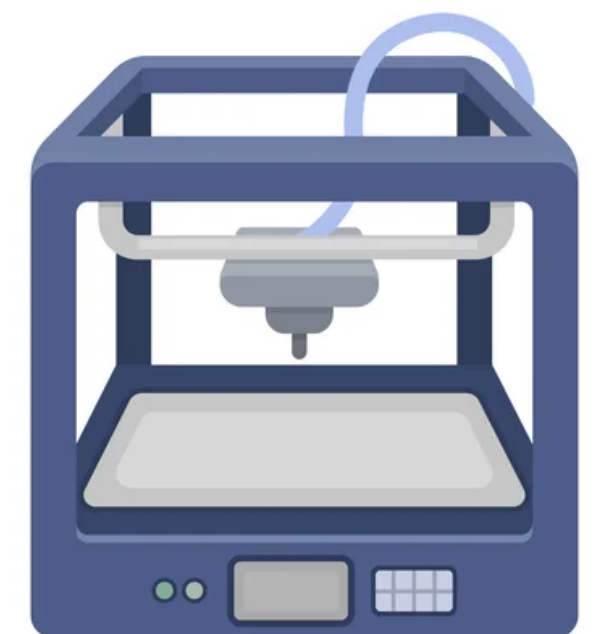
My grandfather is handicapped and we have no one at home to ensure his safety.

Is he all right? Did he fall down?



Is my 3D printer working fine?

Do I need to reprint my models ASAP before the project deadlines?



USER STORY

Scenario:

Checking the kitchen stove

- Alice was almost late for work, she rushed out without checking the kitchen stove.
- On the way to the office, she could not remember if she turned off the stove.
- No one is at home, she needed to go back and check. She was late for work by an hour that day.

Features:

Mobile, Real-Time monitoring

- Installing a Rpi camera in the kitchen
- It is portable, only a USB C power cable is required to power up the camera.
- Able to access it anywhere anytime as long as internet connection is available.
- The camera is lightweight and could be moved to other locations easily.

TARGET USERS

- People who want to safeguard their home and wealth
- People who want to monitor the well-being of family members and pets
- People who want to monitor the functioning of devices like 3D-Printers

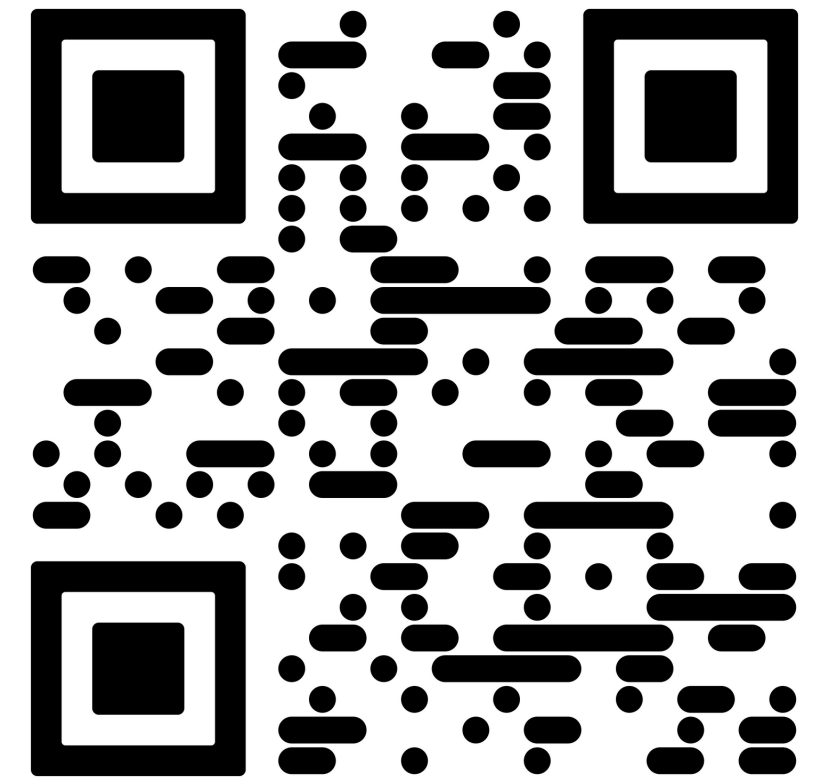
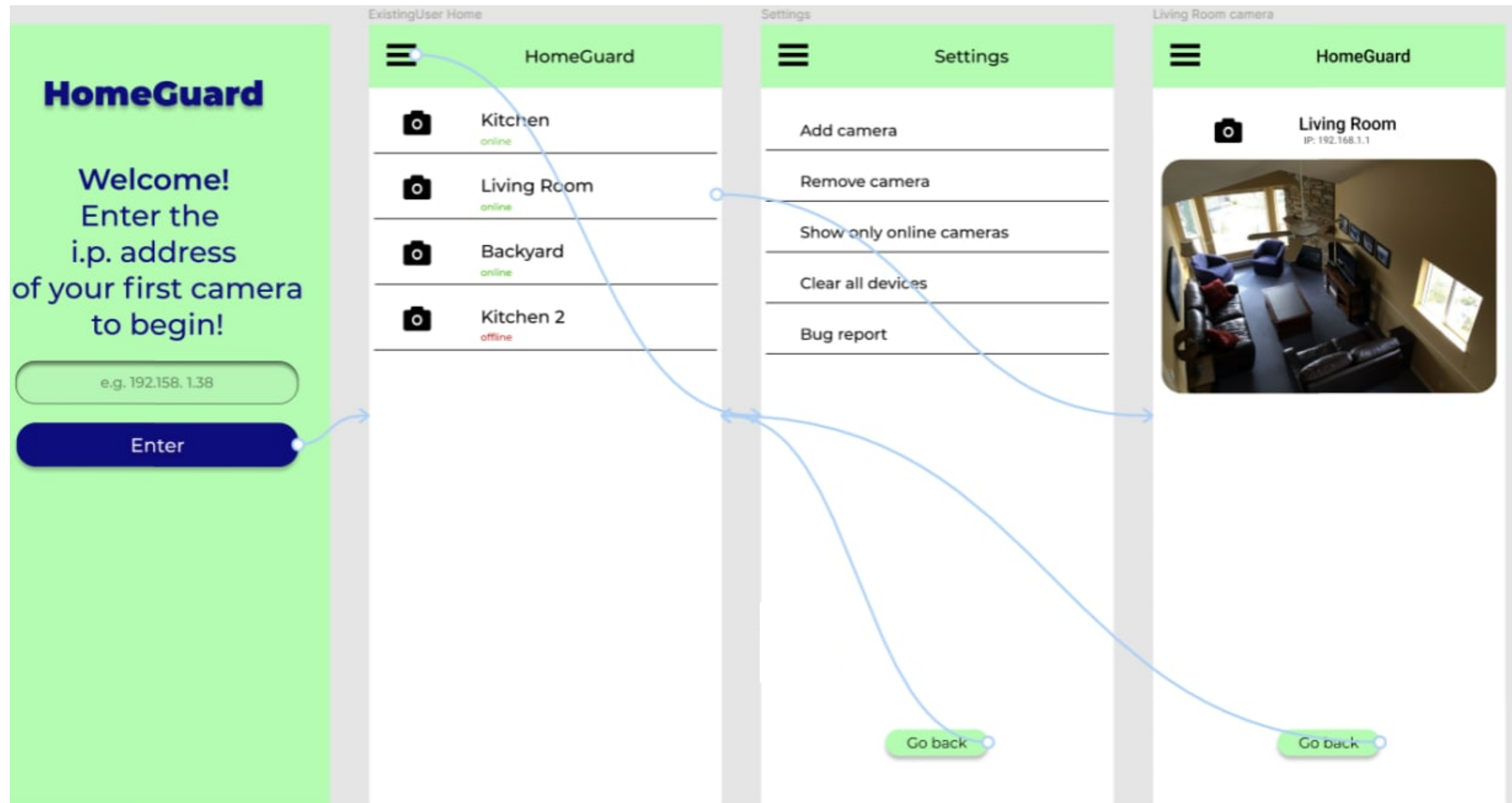


SOFTWARE AS A SERVICE

- We observed, listened to the people around us and the common problems they have. We realised not everyone can afford a professional home surveillance system. Hence we decided to create a lightweight, affordable monitoring system consist of Rpi, Rpi camera and an Android App for them.

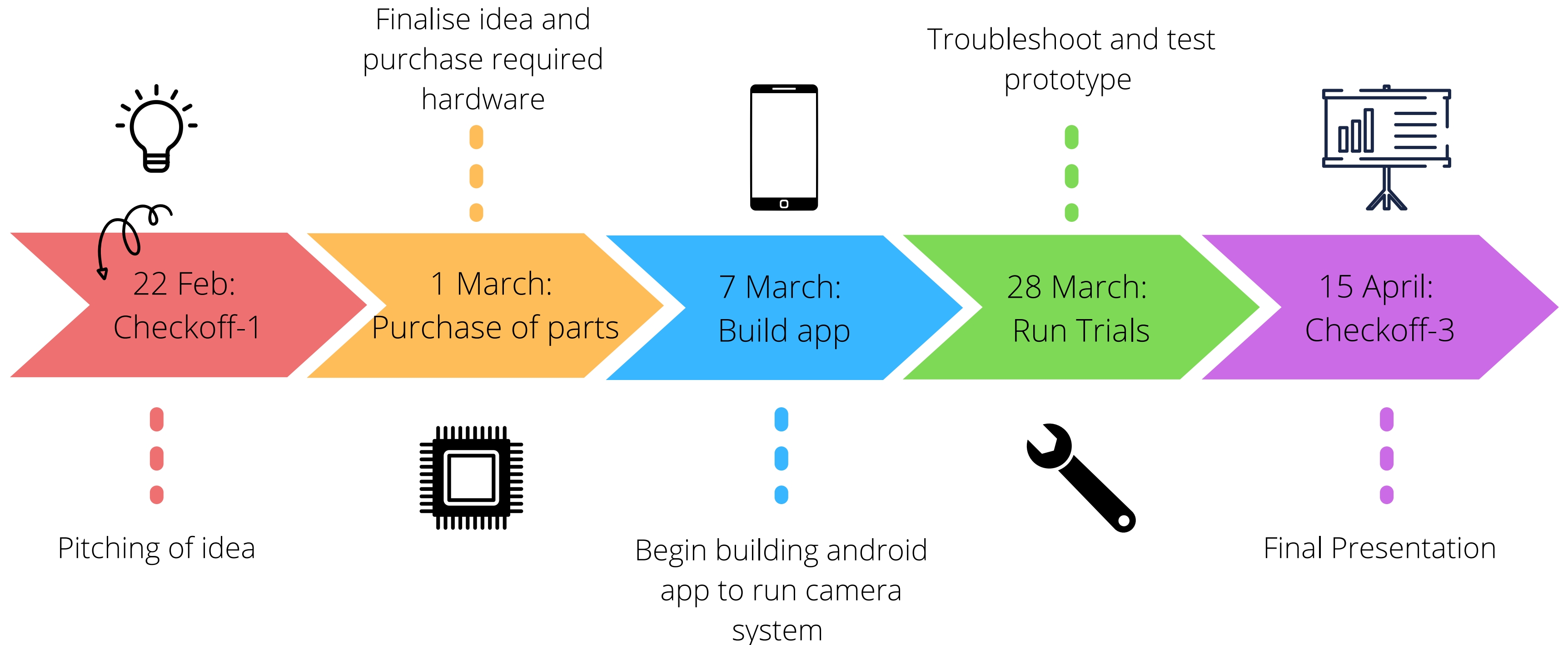


SYSTEM DESIGN



Scan to experience
the app flow!

Project timeline



THANK YOU