SMART DOOR LOCK
for Apartments

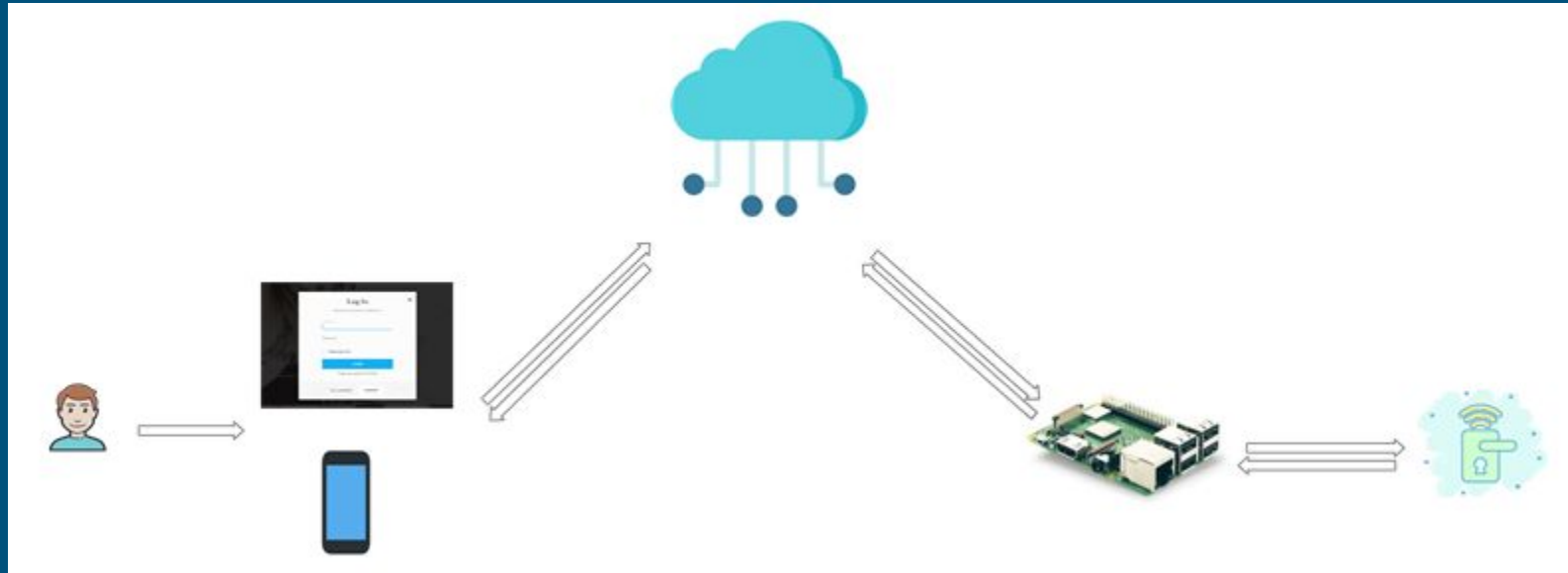RAMAKRISHNA REDDY ALAVALA

MURALI KRISHNA SAI CHUKKA

Introduction

Now a days, everyone is using ecommerce website for shopping. But online delivery has become major problem as the order is not delivered on time due to apartment main door lock. Not only that when every our friends or family members want to visit our home they are facing the same issue.

Smart door lock will gives the solution for this problem by generate pass code for certain period of time.

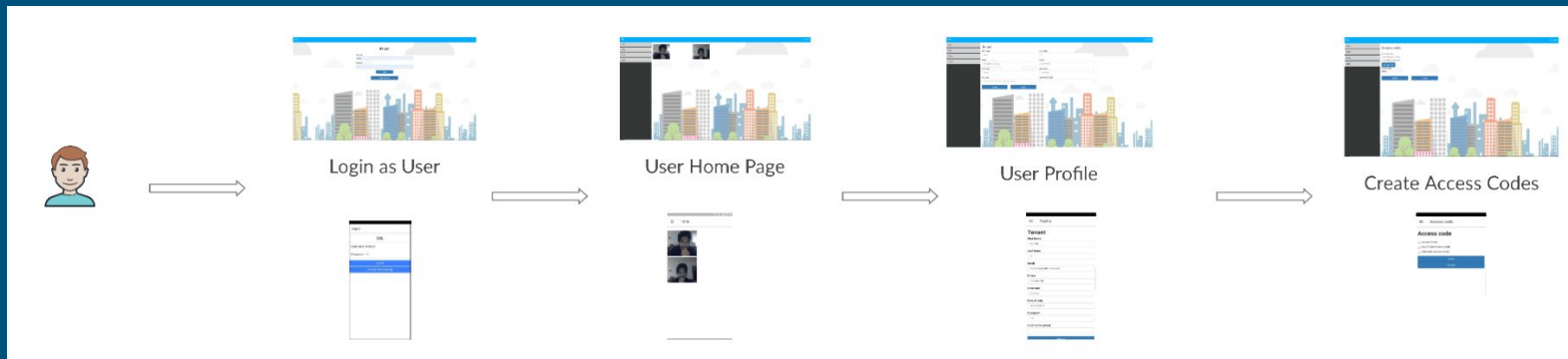# Architecture

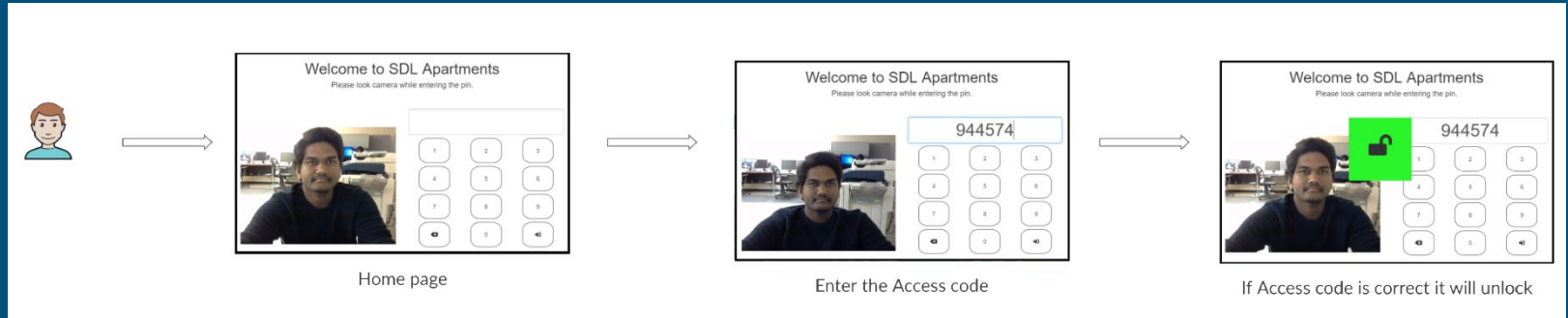# Admin Flow

Login as Admin

Create Rooms

Create Tenants

User Flow

Login as User → User Home Page → User Profile → Create Access Codes

IOT Flow

Home page

Enter the Access code

If Access code is correct it will unlock

Demo

https://youtu.be/VssRSiM6BqI

Issues Faced

Cloud set up.

IOT hardware setup.

Electron js version problem.

Integration issues between devices.

Updates from mid-progress

User Home Page in Web.

Access code page in web.

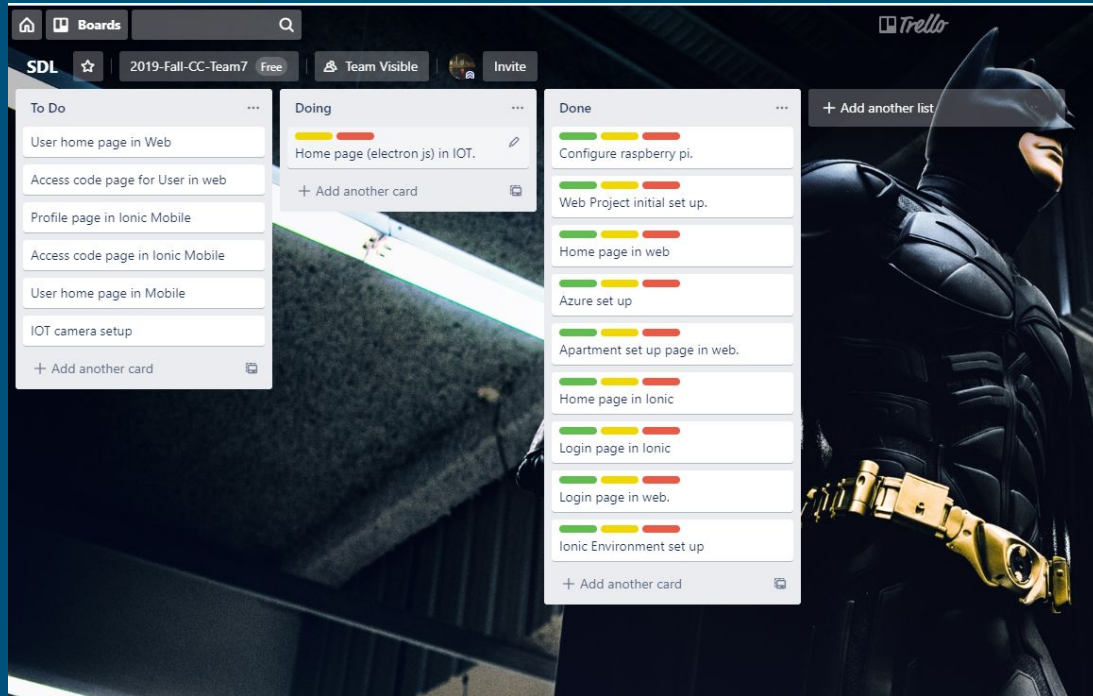User Home page in Mobile.
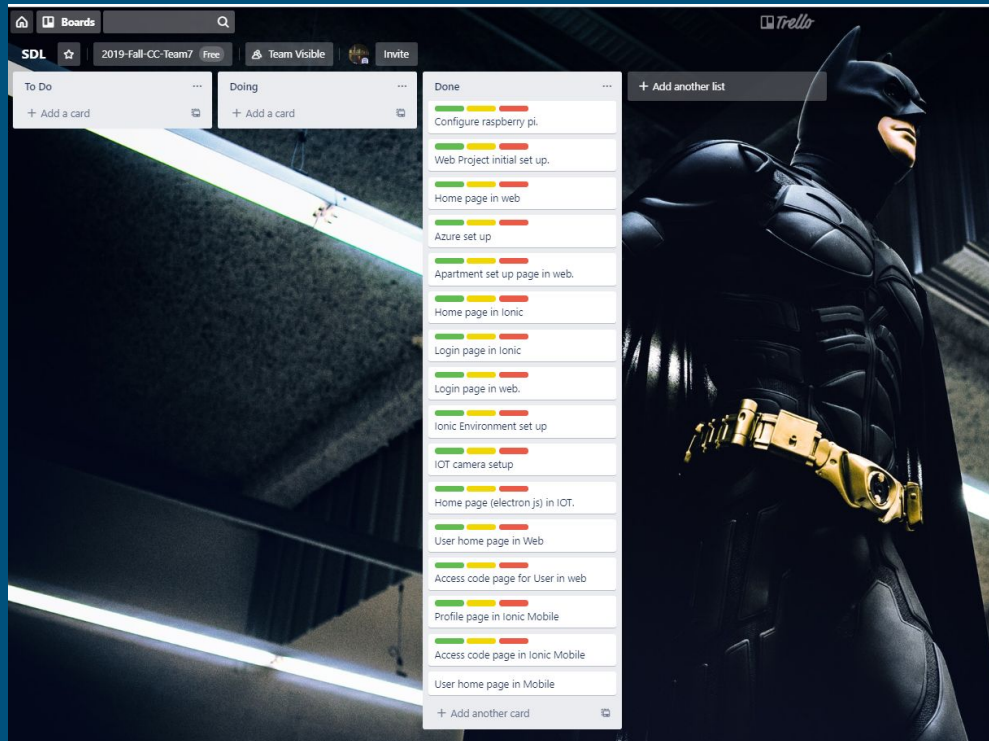
Profile page in Mobile.

Access code page in Mobile.

Home page in Electron IOT.

Camera set up IOT.

Trello Increment 1

Trello Final Increment

Code & Demo Links

GitHub:

https://github.com/chkrish9/2019-Fall-CC-Team7-SmartLockForApartments

Demo:

https://youtu.be/VssRSiM6BqI

References

https://electronjs.org/docs

https://www.youtube.com/watch?v=1tRLveSyNz8

https://projects.raspberrypi.org/en/projects/getting-started-with-picamera

https://thepihut.com/blogs/raspberry-pi-tutorials/45295044-raspberry-pi-7-touch-screen-assemblyguide

https://www.youtube.com/watch?v=r2ga-iXS5i4

Question ?

Thank you