Discover Mapúa MCL

Augmented Reality Navigation Tool

PROBLEM

As a freshman,

how do I get to know the campus of Mapúa MCL

so that I know where to go if ever I need anything?

As someone who is interested in enrolling,

how do I get to know the campus of Mapúa MCL

so that I can better decide if the campus suits my needs?

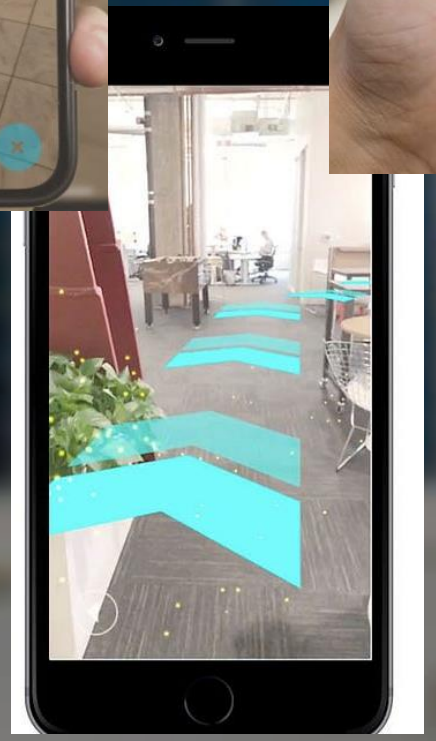
As a visitor of Mapúa MCL,

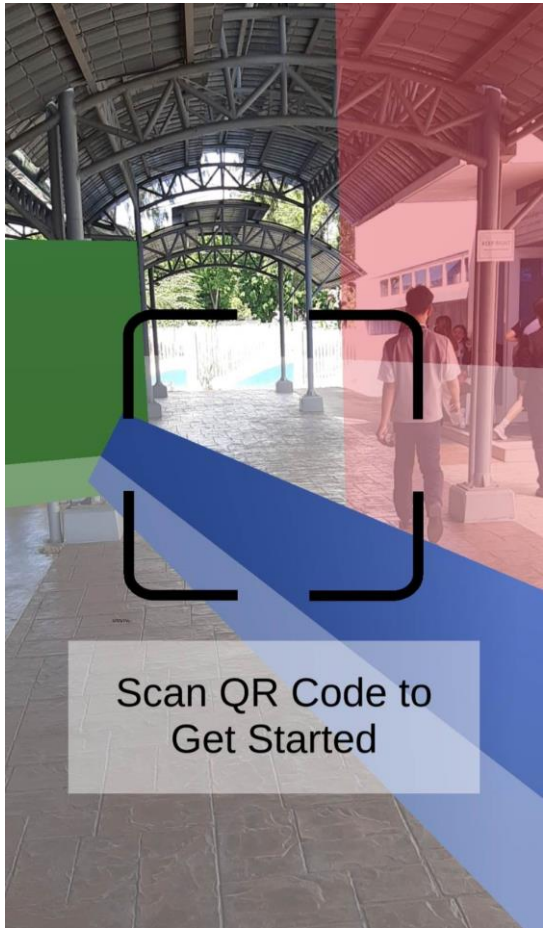
how do I navigate to the room where I am needed

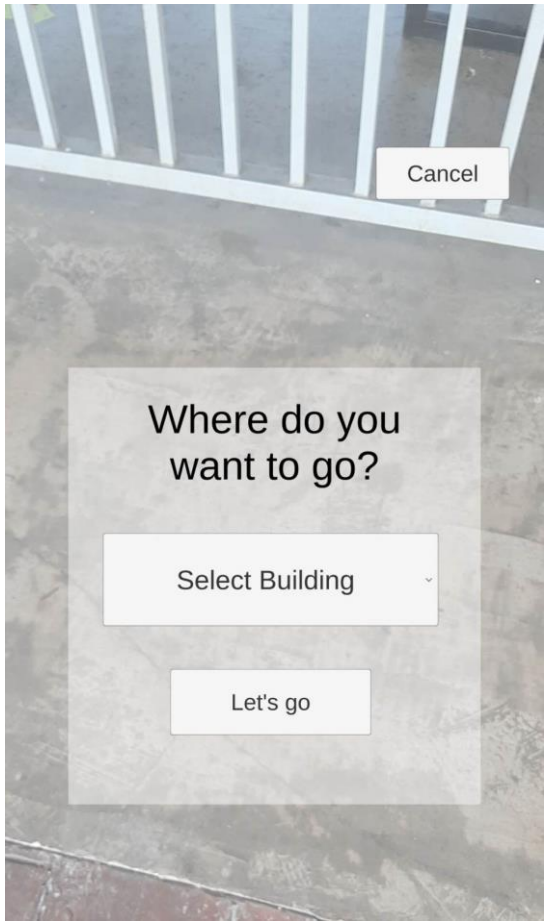
so that I do not get lost in the campus?

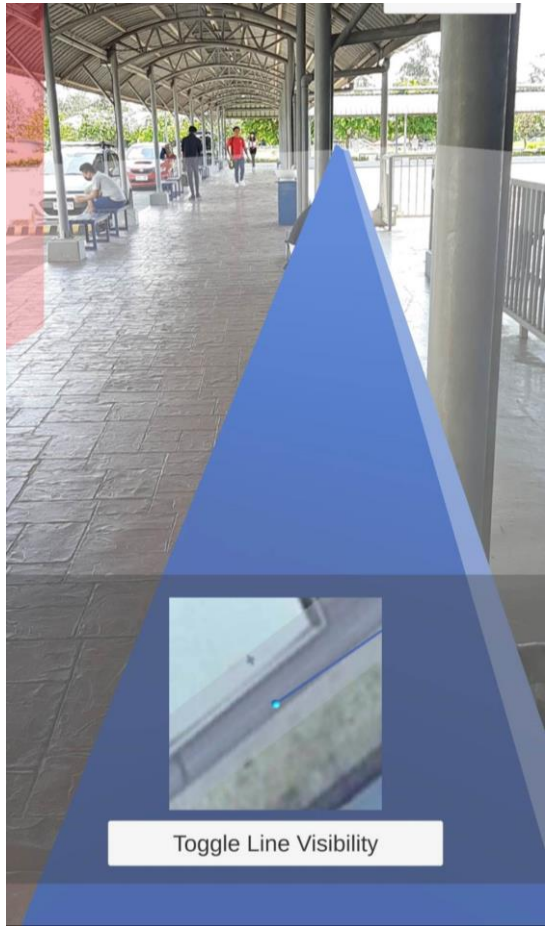
SOLUTION

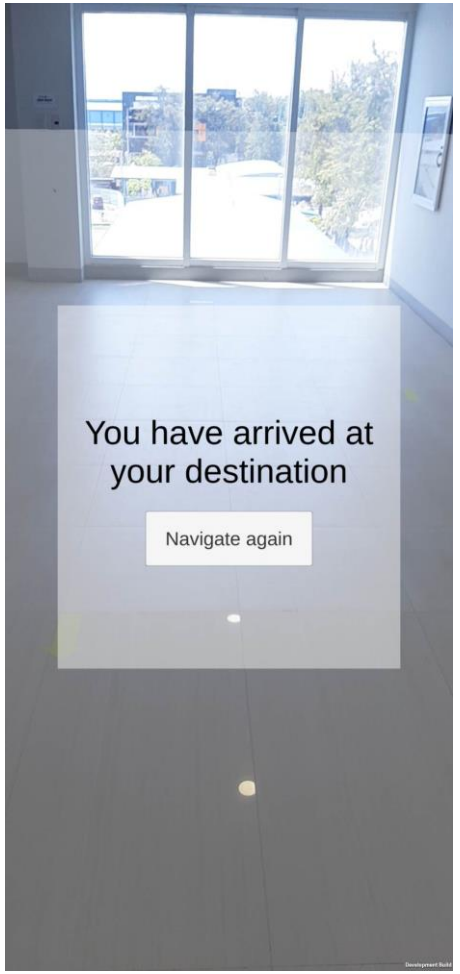
AR Based campus navigation system

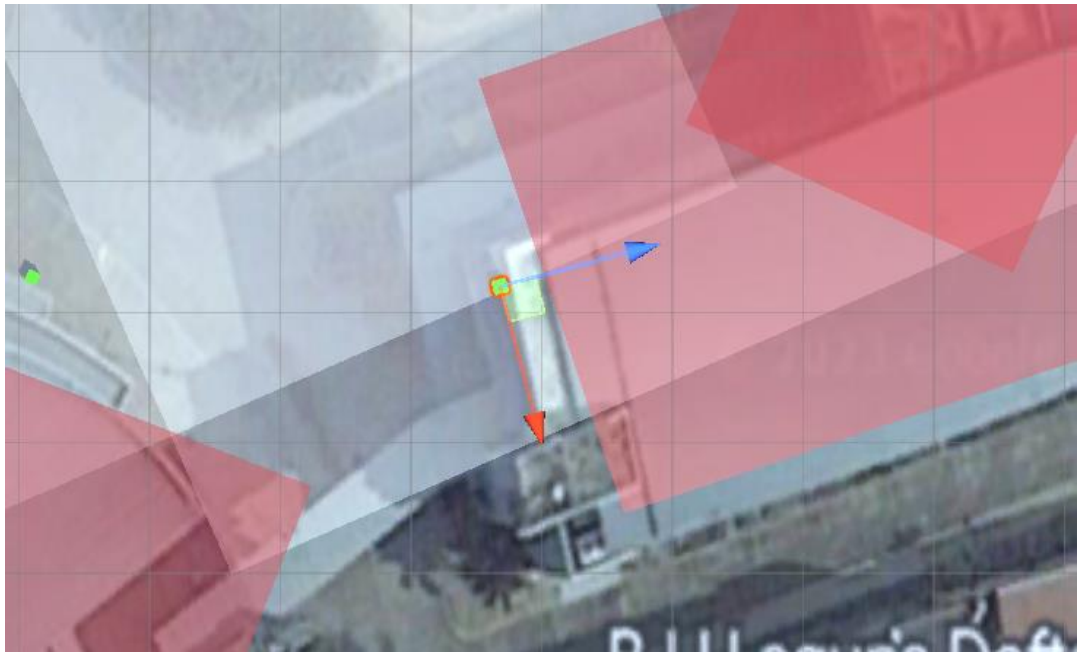


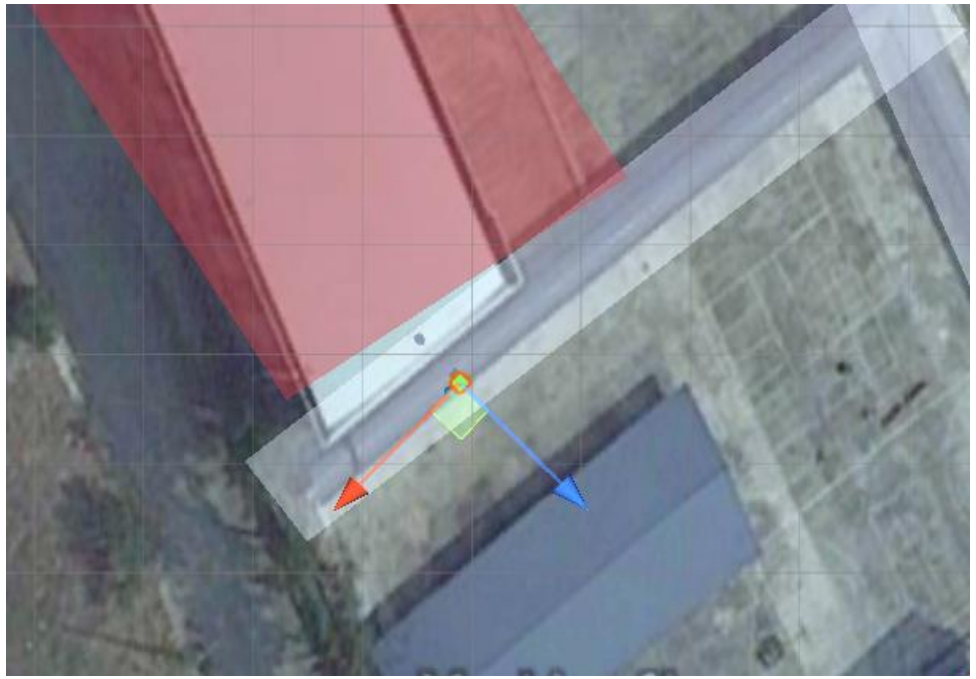

Scan QR Code to
Get Started

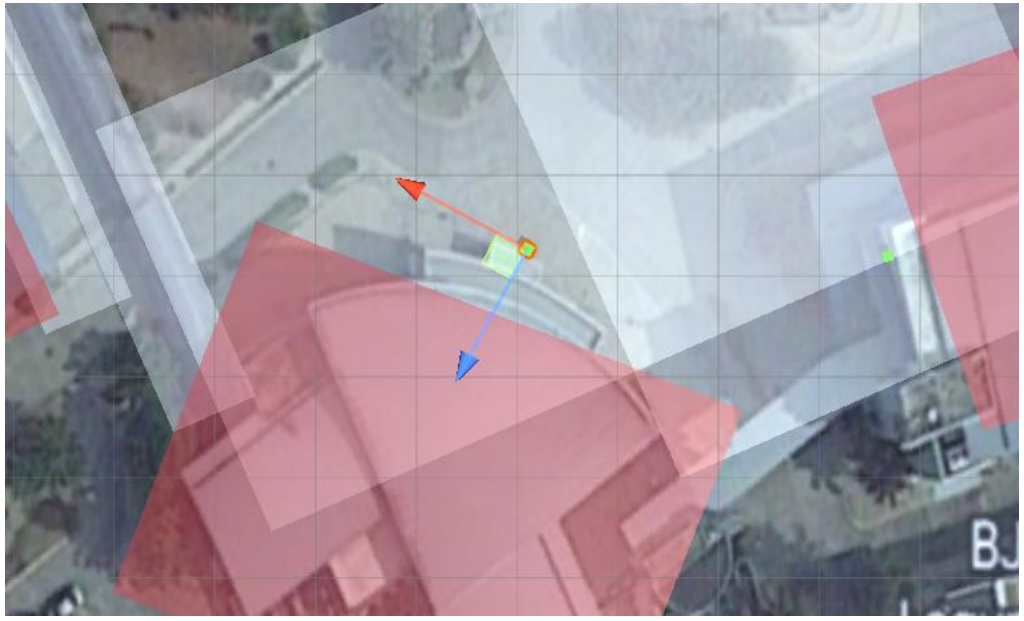

Cancel
Where do you
want to go?
Select Building
Let's go


Toggle Line Visibility


You have arrived at
your destination
Navigate again







ne Shop

AUDIENCE

- Freshmen
  - Plurality of the student population
- Parents and students interested in enrolling
- Visitors from other schools when there are events
  - E.g., Mapúa MCL ACM CodeX

REVENUE STREAMS

- Schools pay for a yearly subscription
- Tier System
  - Tier 1 – Line + Compass navigation + Virtual Buildings
  - Tier 2 – Line + Compass navigation
  - Tier 3 – Compass Navigation

FUTURE

- Expand to other schools
- Include how to get to school
- Event specific environment
- Integrate to all-in-one freshmen companion app

#ConnectTogether

- Connect students to the campus
  - CGC
  - CLIR
  - Gym
  - Etc.
- Connect students to other students
- Connect students to Mapua MCL culture

FEASIBILITY

- Prototype:
  - Developed within 48 hours
  - Includes basic points of interests
  - Working UI/UX
- Full Project:
  - Longest possible development is within a few months
  - No inherent expenses outside server hosting
  - Can be deployed for other campuses

TECHNOLOGIES USED

- Unity AR Core
- AR Foundation
- Android
- QR Code
- LIDAR Scanner (environments are going to be scanned instead of modeled)