

# Photo Booth

kiosk development

Created by Park donghyeon

# Contents

- Kiosk Application
- Outline
- Software component
- UML
- Specifications
- Prototype application

# Kiosk Application

A device for customers to take pictures and print the results



# Outline

## Hardware

- Canon 200D MK2
- PC(Windows)
- Touch Display
- Printer

## Software

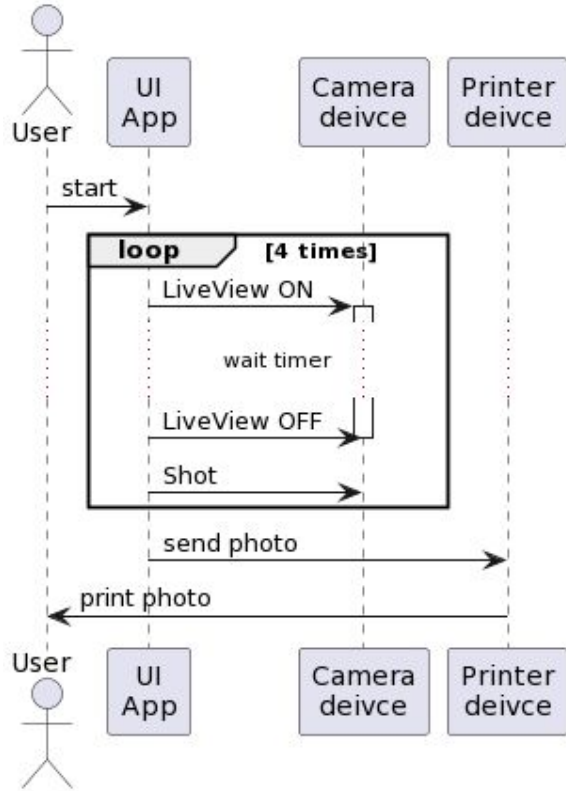
- Change photo layout
- Take pictures
- Design photo
- Print photo

# Software Component

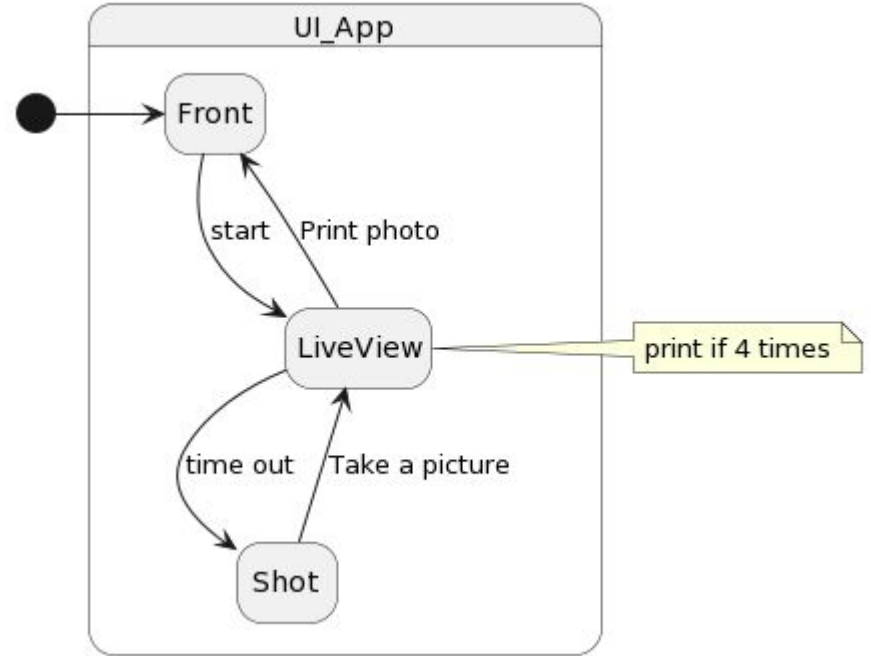
## Software

- UI Application
- Abstract Camera device
- Abstract Printer device

# UML



Sequence diagram



Finite state machine

# Specifications

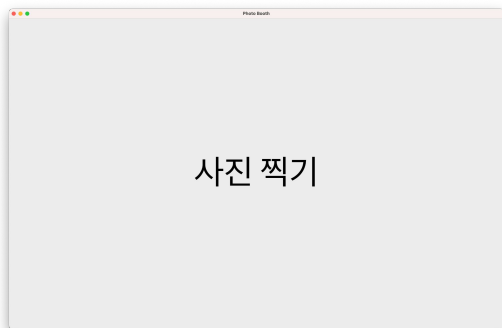
## Device

- Camera: Canon 200D MK2
- Printer: DNP DP-DS620
- PC
  - OS: Windows
  - CPU: intel-i5

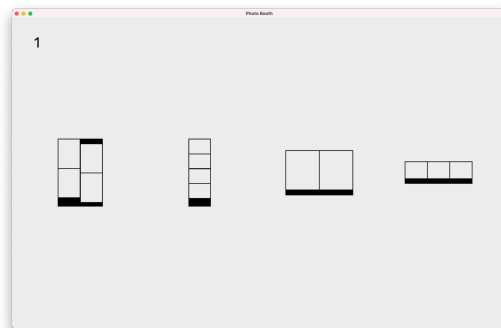
## Software

- Language: Python
- Framework and Library
  - PySide
  - OpenCV

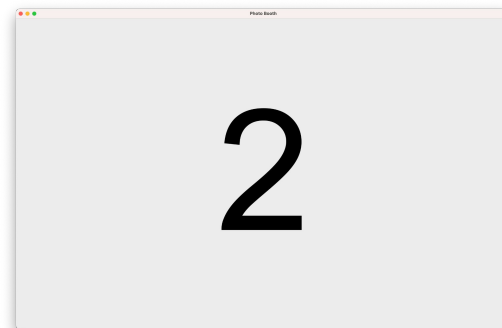
# Prototype application



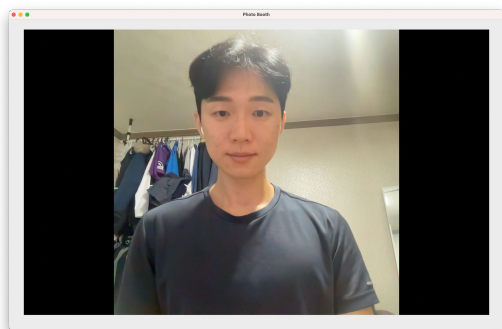
Wait to start



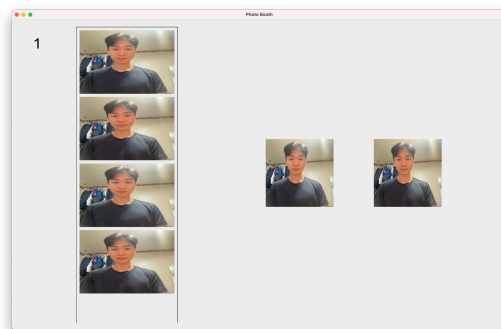
Start and Select Layout



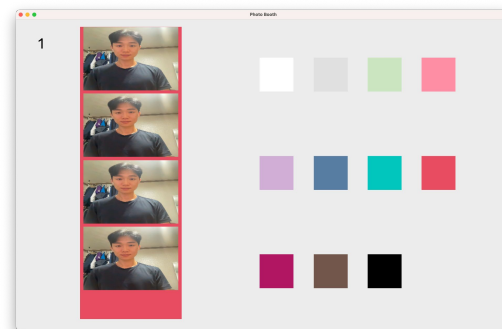
Standby



Take pictures



Select pictures



Design picture frame