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Magic Mirror

McMaster University | Electrical & Computer Engineering

Introduction:

Magic Mirror is a home appliance for helping people get ready in the morning.

User Interface:

- Weather
- News
- Customized Comments
- Time/Calendar

Phone Sync:

- Sync Smartphone with Mirror
- View SMS, email on Mirror
- Bluetooth Enabled

Implementation and Design:

- Improve on existing Smart Mirror Designs
- Soldering of hardware and wooden frame
- Raspberry Pi to drive the Mirror
- UI implemented using Web Technologies
- Webcam to enable Wardrobe App (Kivy)
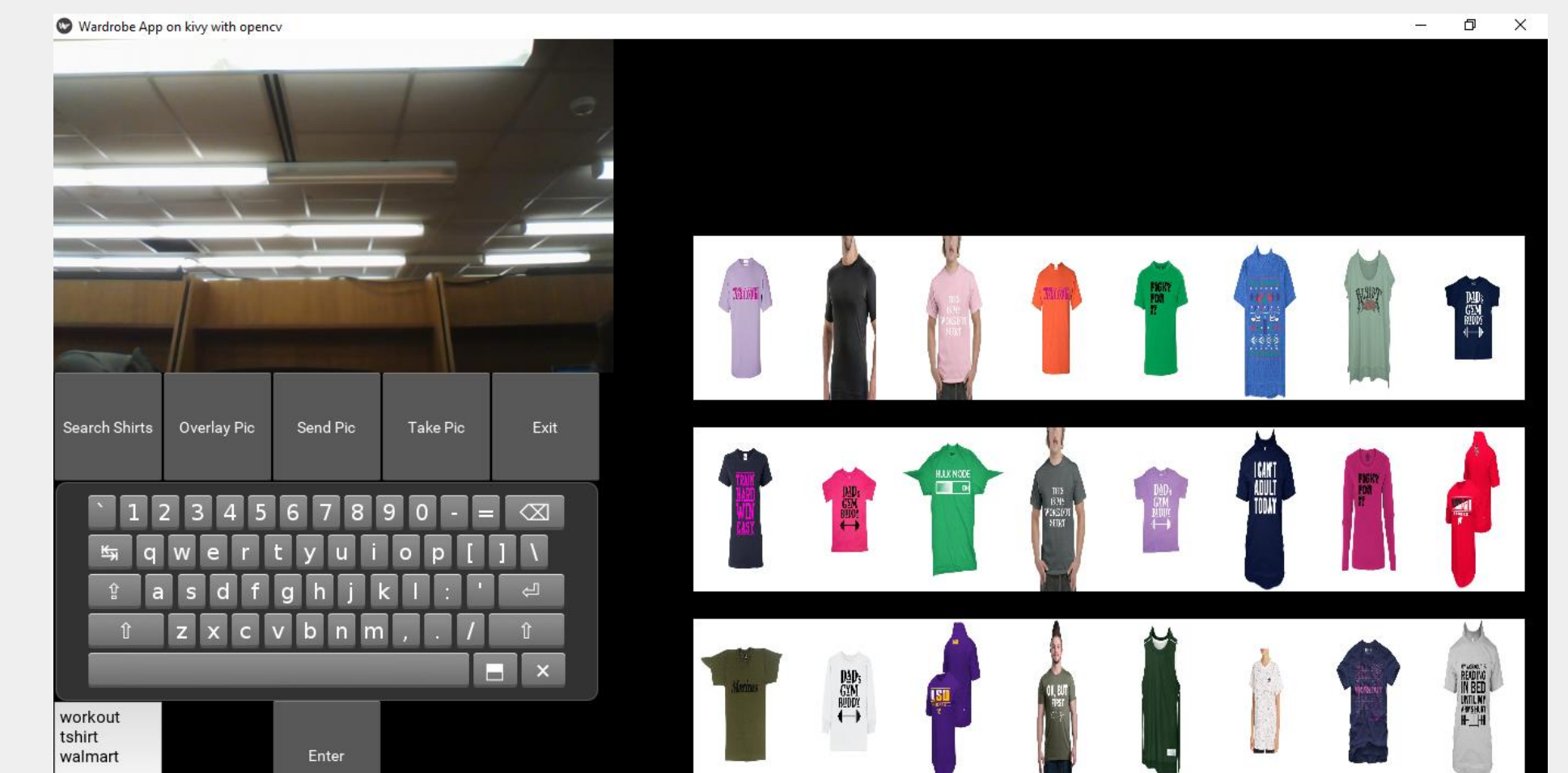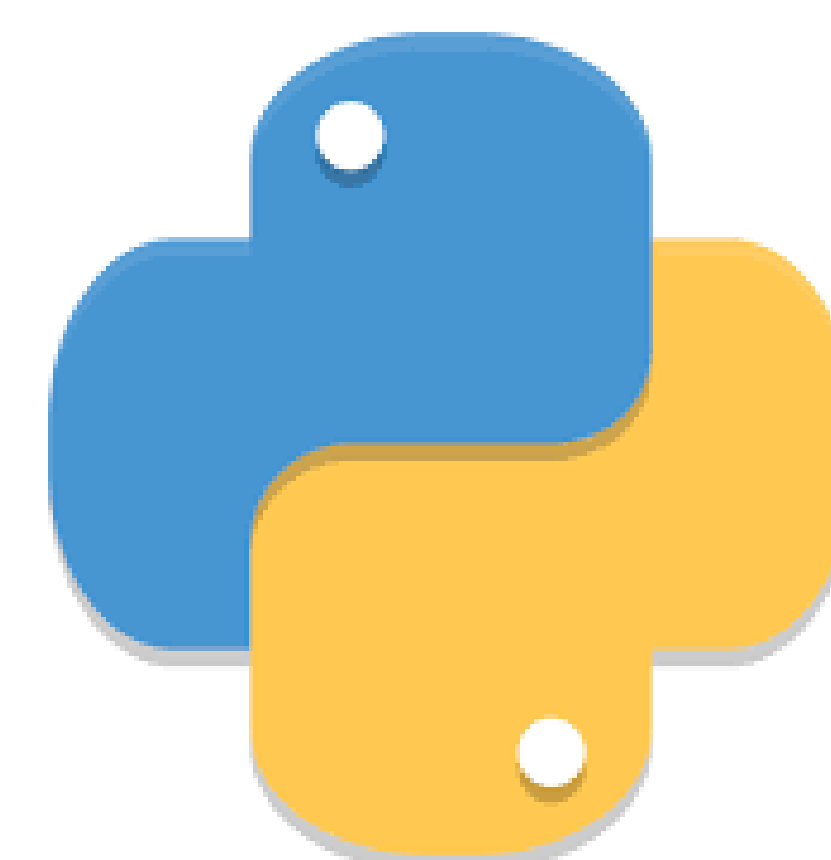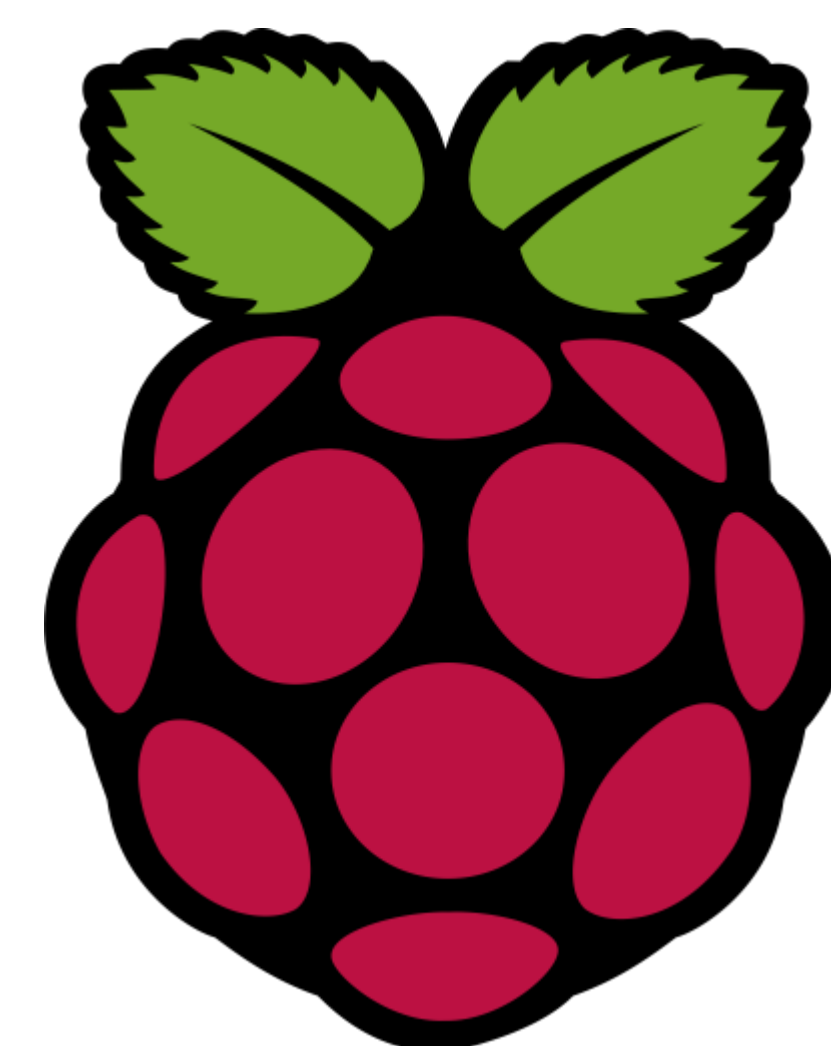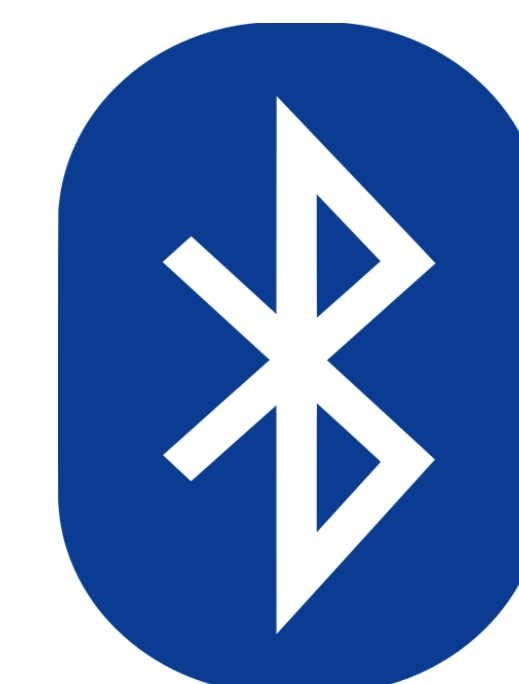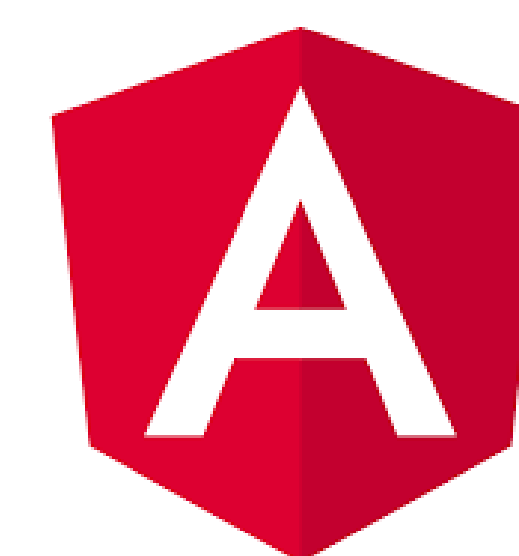- Smartphone Interface using Python Bluetooth

Materials Used:

- Raspberry Pi
- Wooden Frame
- Acrylic Mirror Sheet
- Wifi Adapter
- Webcam

Wardrobe App:

- View Yourself On Webcam
- Search Clothing Images
- Try them on
- Share those images

Technologies:

- Html, CSS, JS, AngularJS
- Python, Bluetooth, Kivy
- Various API/Frameworks