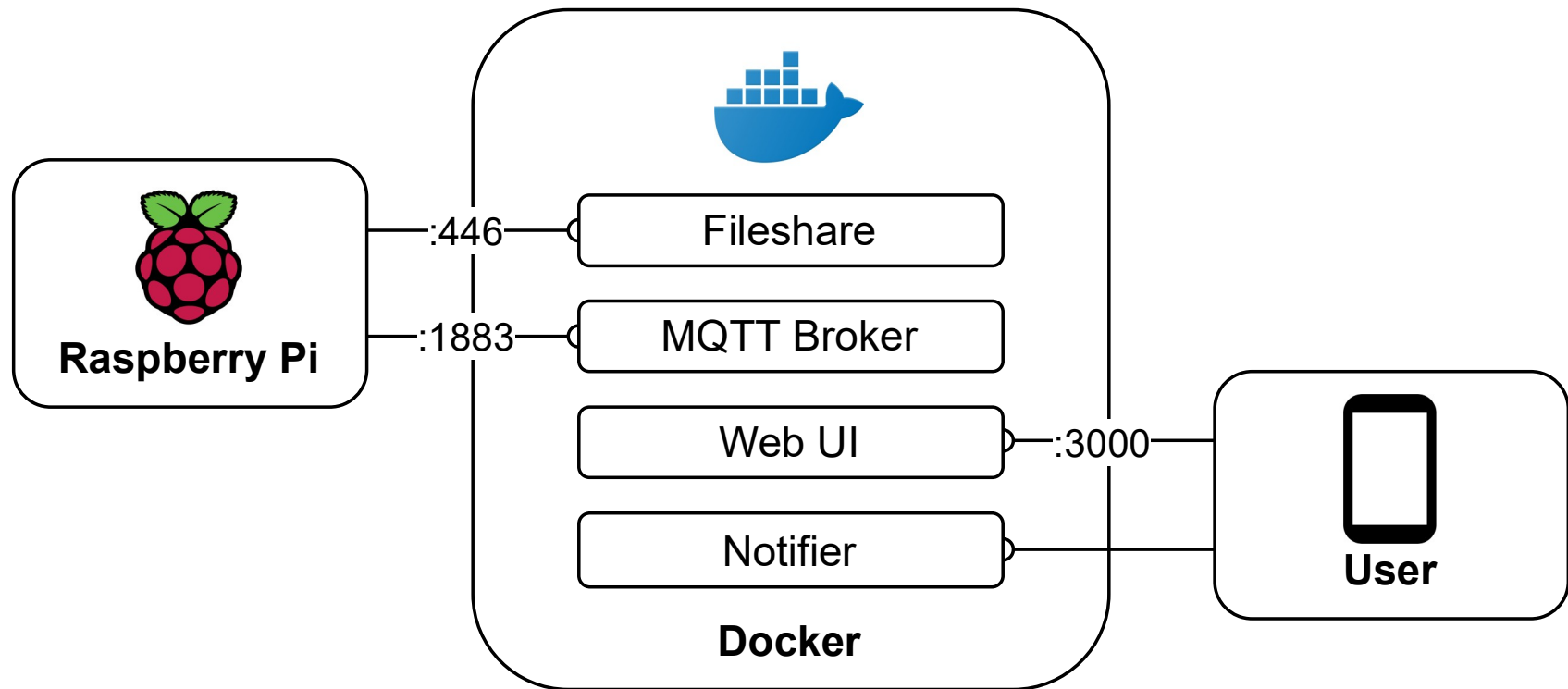


# Raspberry Pi Doorbell

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# Overview

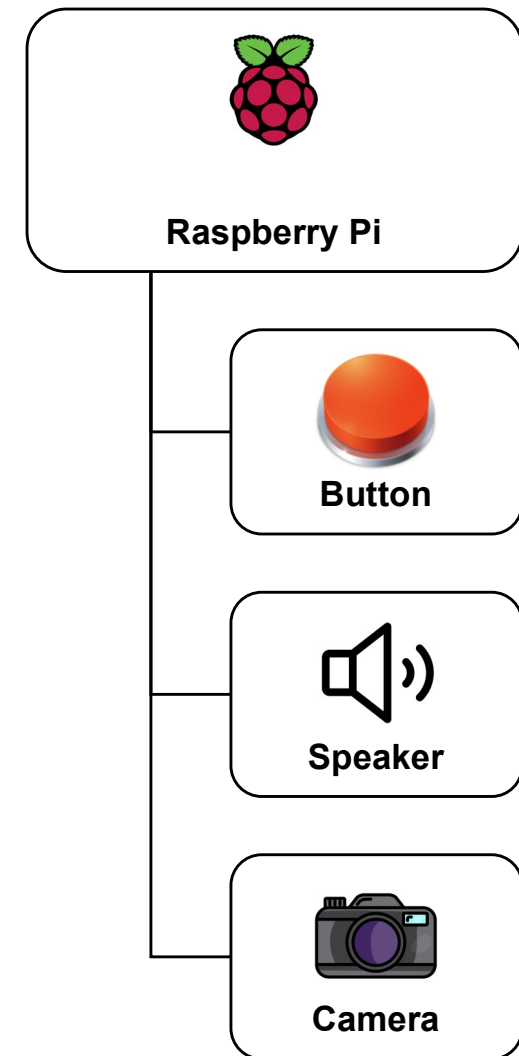


## System Overview

- raspberry takes an Image and publishes a message
- notifier subscribes to the topic and forwards the event

# Raspberry Pi

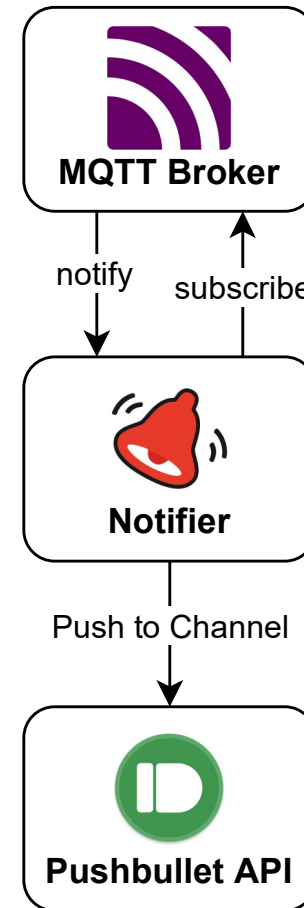
- When the button is pressed an image is taken
- A sound is played via the speaker
- FaceRecognition is used to check if there is a face in the frame
- The image is stored to the fileshare
- A message is published via MQTT including the filename



RPi Components

# Notifier

- The Notifier subscribes to an MQTT Topic
- A message is received
- The image contained in the message is uploaded to pushbullet
- A message is created with the image as an attachment
- The message gets pushed to the pushbullet channel



Notification Components

# Application Flow

