# Sprint 2 - Präsentation

ADUNKA, AICHHOLZER, KEUSCHNIG

### Ziel des Projekts

#### Türklingel

- ❖ Bei Knopfdruck wird ein Foto aufgenommen
- Foto wird per Telegram an Hausbewohner geschickt
- \* Hausbewohner entscheidet, ob Tür geöffnet wird oder nicht

#### Buzzer einbinden



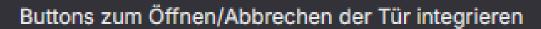
Diagramme überarbeiten





Ansteuern der LEDS & des Relais wenn die Tür geöffnet werden soll

#21



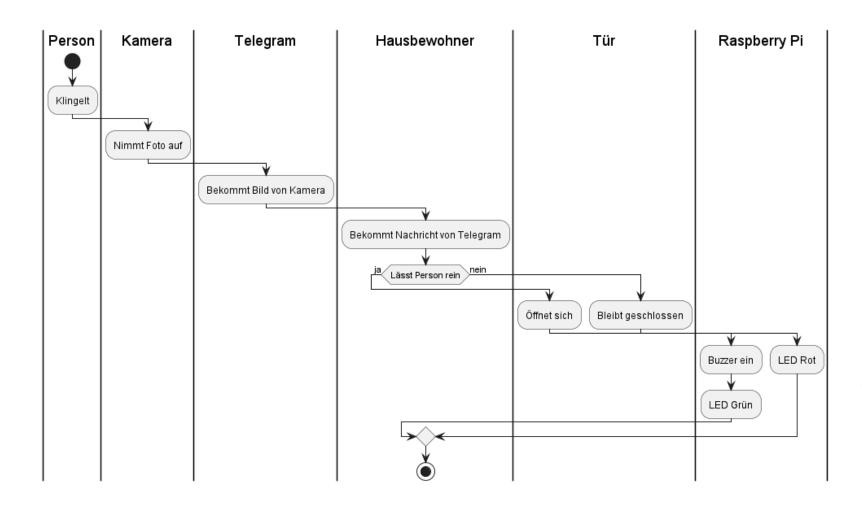
#20 🛞



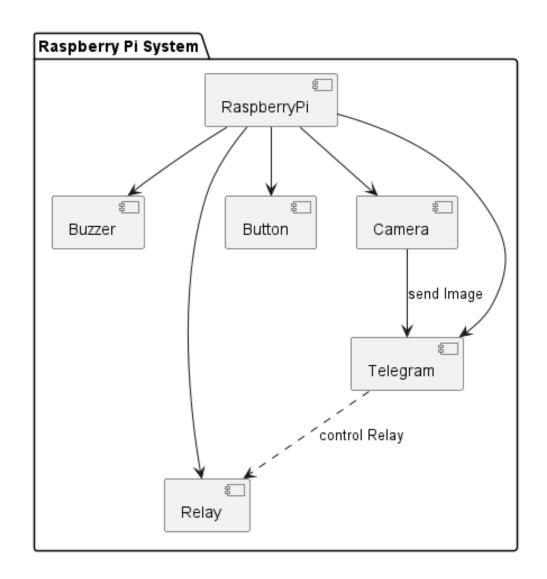
Homeassistant entfernen



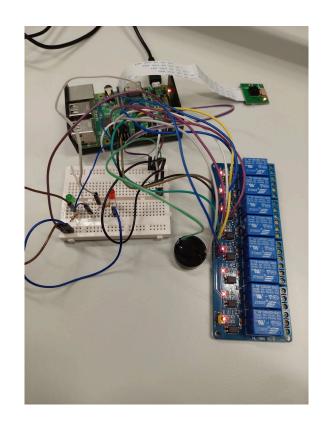
# Issues



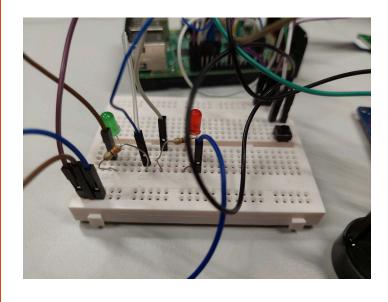
Aktivitätsdiagramm



Architekturdiagramm







# Aufbau

## Python-Telegram Bot Callback

```
@bot.callback_query_handler(func=Lambda call: call.data in ["open_door", "ignore"])
def callback_handler(call):
    chat id = call.message.chat.id
    message_id = call.message.message_id
    if call data == "open_door":
        print("Opening")
        openDoor()
        bot.edit_message_reply_markup(chat_id=chat_id, message_id=message_id, reply_markup=None)
        bot.edit message caption(chat id=chat id, message id=message id, caption="Opened the door")
     elif call.data == "ignore":
        print("Ignoring")
        bot.edit message reply markup(chat id=chat id, message id=message id, reply markup=None)
        bot.edit_message_caption(chat_id=chat_id, message_id=message_id, caption="Did not open the door")
        keepDoorClosed()
```

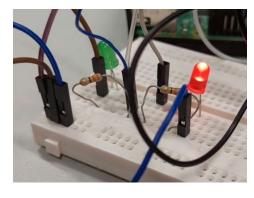
## Python – Capture Image Function

```
def capture():
buzzer.on()
timestamp = datetime.now().isoformat()
image path = './pi/%s.jpg' % timestamp
camera.capture(image path)
markup = types.InlineKeyboardMarkup()
open button = types.InlineKeyboardButton(text="Open Door", callback data="open door")
ignore button = types.InlineKeyboardButton(text="Ignore", callback data="ignore")
markup.row(open_button, ignore_button)
with open(image path, 'rb') as image:
    bot.send_photo(chat_id, image, caption='Someone is ringing', reply_markup=markup)
```



# Python – Open Door / Keep Door Closed









# Danke für eure Aufmerksamkeit!