IoT Engineering
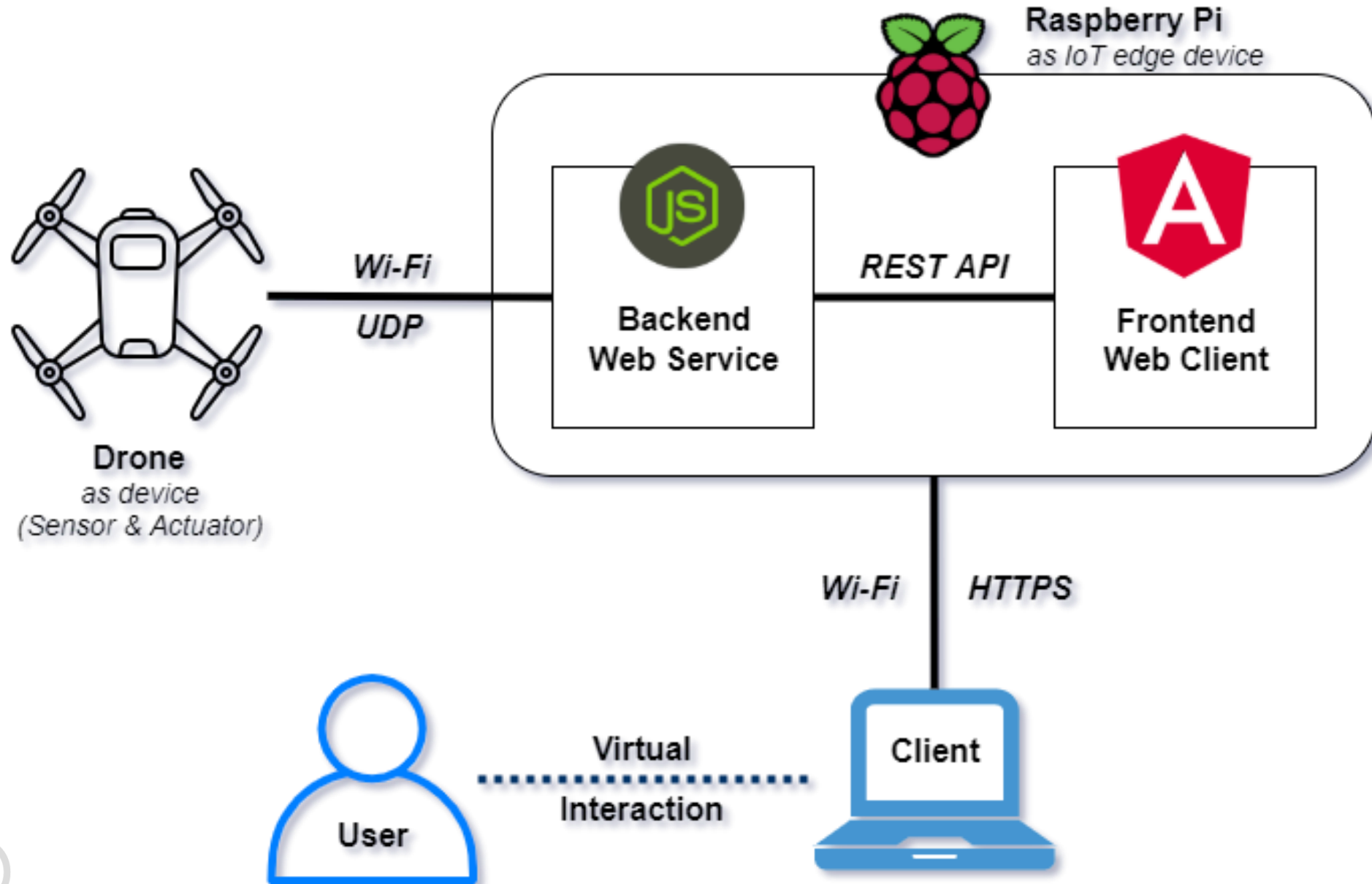## Project Tello

n|w

Reference model

Use cases

Get current state of the drone with battery level, velocity, temperature and fly time values.

Shows current flight properties as a moving image depending on roll and height.

Send commands to drone by pressing buttons.

Set flight height of drone using vertical slider.

n|w

Interface documentation

Host: IP_OF_RASPBERRY

Port: 4443

GET   /api/v1/getCurrentStatus

POST   /api/v1/sendCommand
  ⊾►   body: command: COMMAND
                    value: VALUE

COMMAND as string, it has to be one of predefined values. Command List

VALUE as Integer

Issues

Drone needs a surface with patterns under it.

Raspberry Pi needs at least one not used wlan interface. Connect drone WiFi to one wlan interface only (with high priority) and use the same interface always.

If the drone gets out of control, press the red emergency button immediately.

Drone can give multiple answers to one command. This can lead to freeze buttons on web frontend.
Solution: refresh Page

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