Watch Door Updater

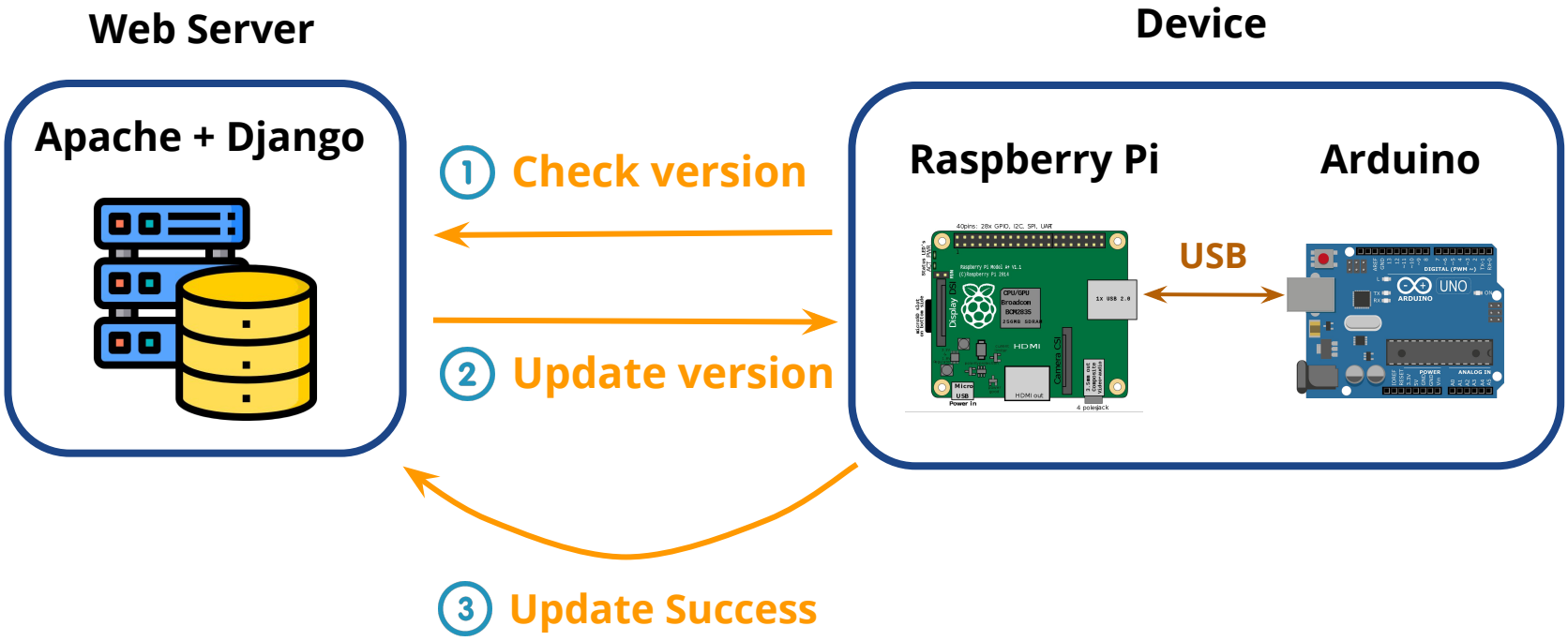
Team 5

吳彬睿, 徐均筑

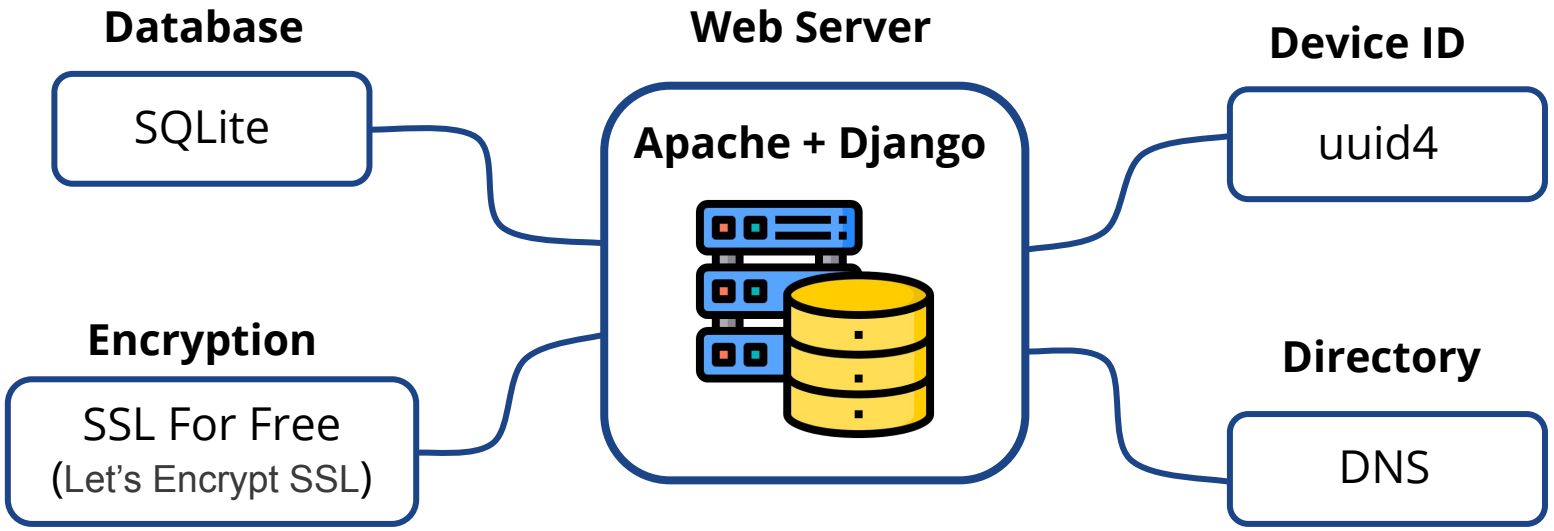
Outline

- Overall System
- Device Discovery Protocol
- Service Design and Directories
- Device Identification
- Configuration Management
- Deployment-Miscellaneous
- Change Log

Overall System



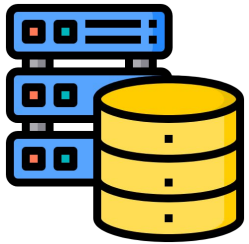
Overall System



Device Discovery Protocol

Web Server

Apache + Django



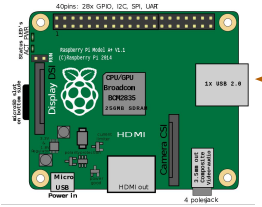
HTTPS

① **MAC**

③ **UID**

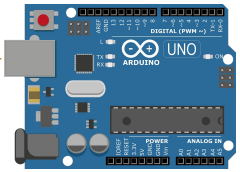
Device

Raspberry Pi



USB

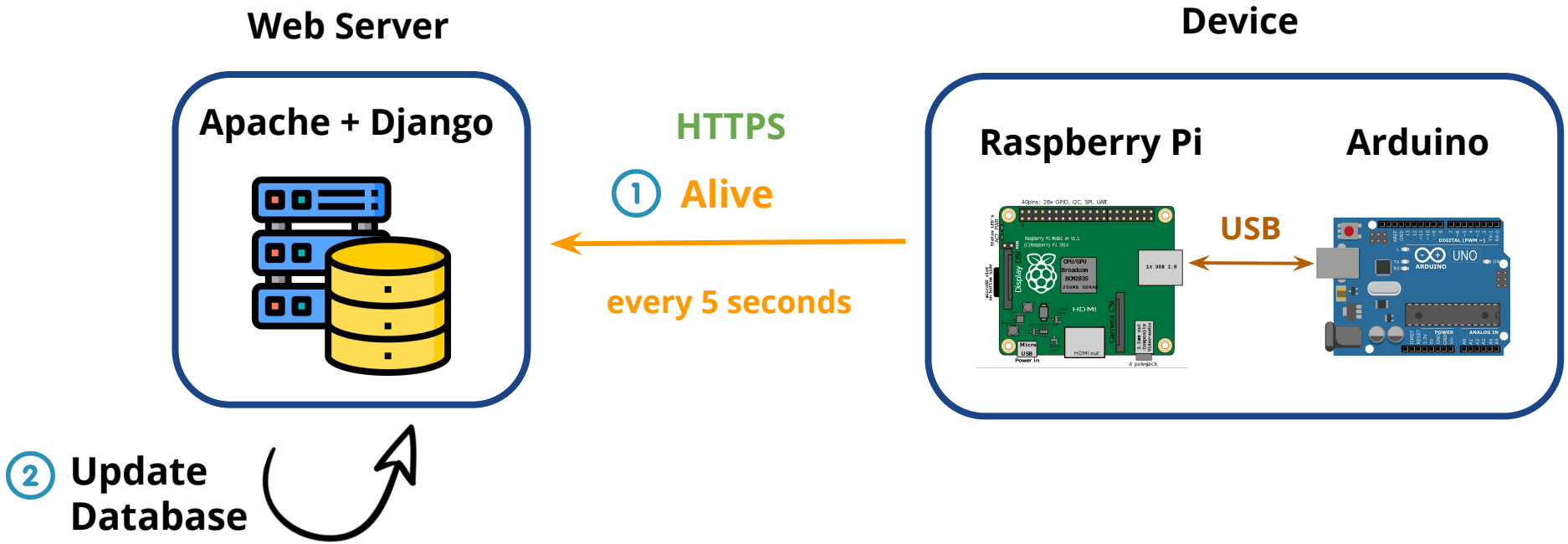
Arduino



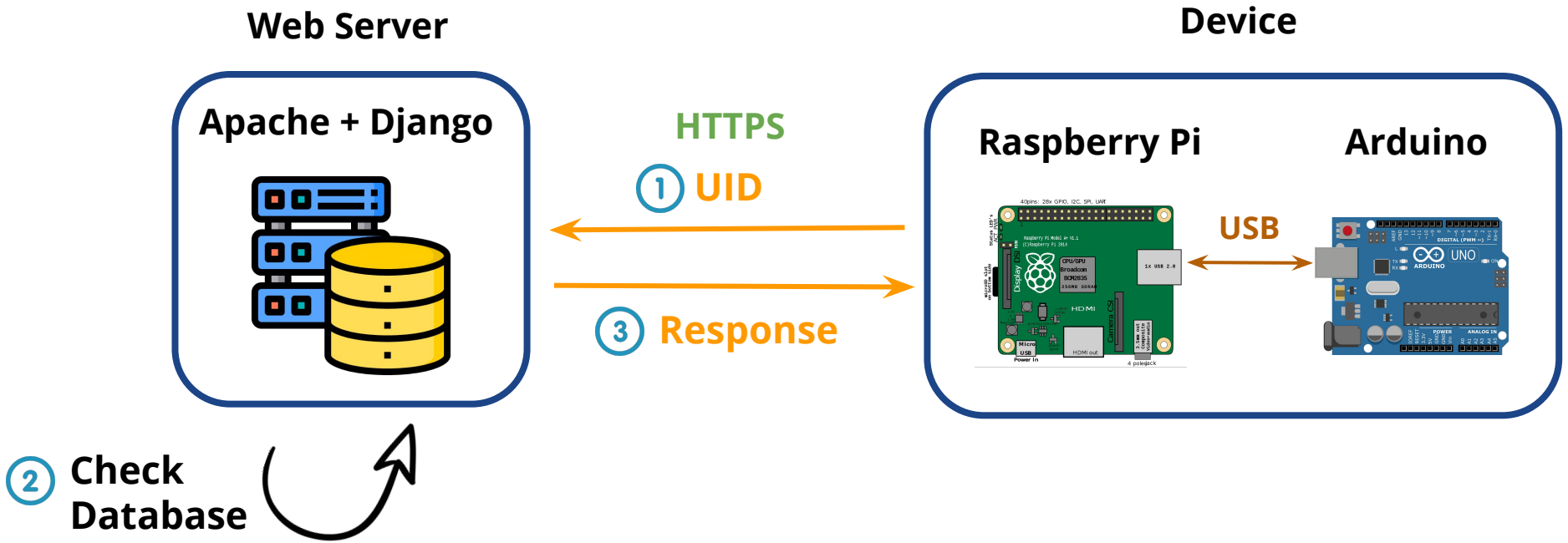
② **Update Database**

Device-Initiated

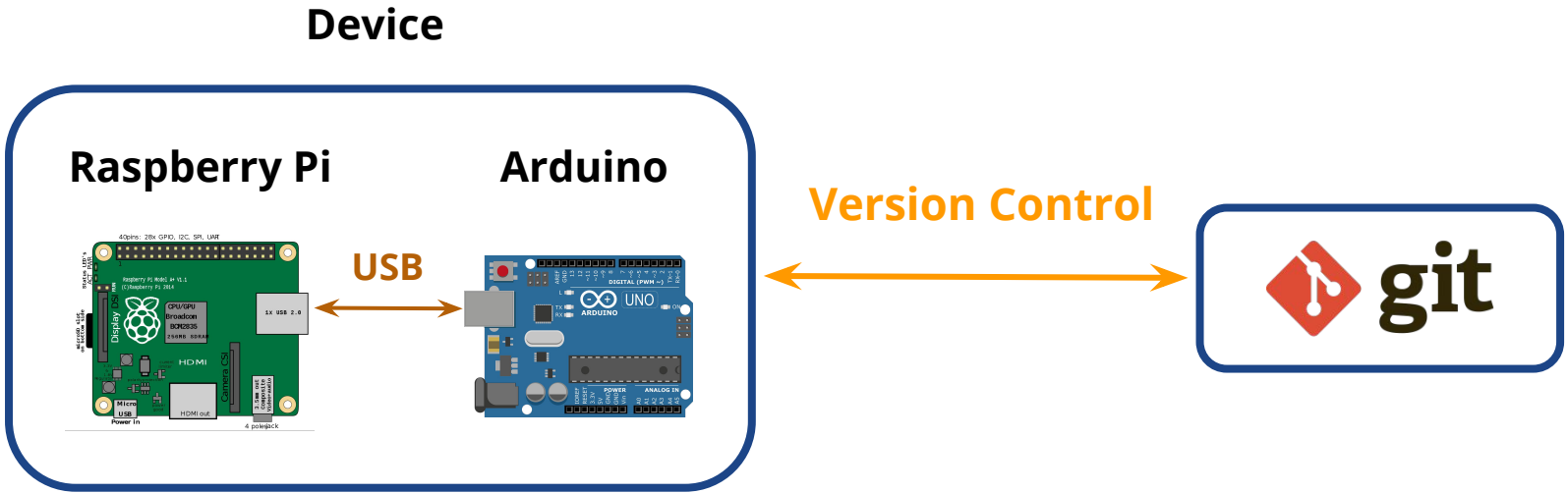
Service Design and Directories



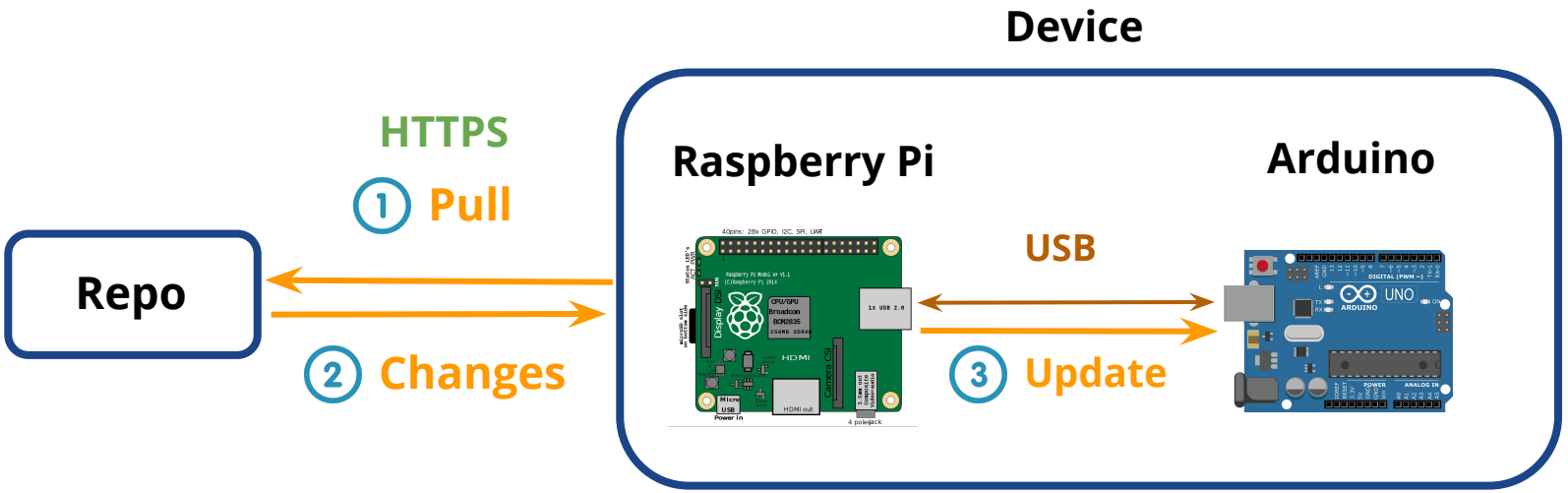
Device Identification



Configuration Managemaent



Deployment-Miscellaneous



Change Log

- Additional Functions
  - Web Server: Apache + ssl
  - User: log in/out
  - Super User: version control
  - Device: multiple devices, service(autorun), remote update

1. User Log In
2. Add a new device
3. Update to latest version
4. Control update version