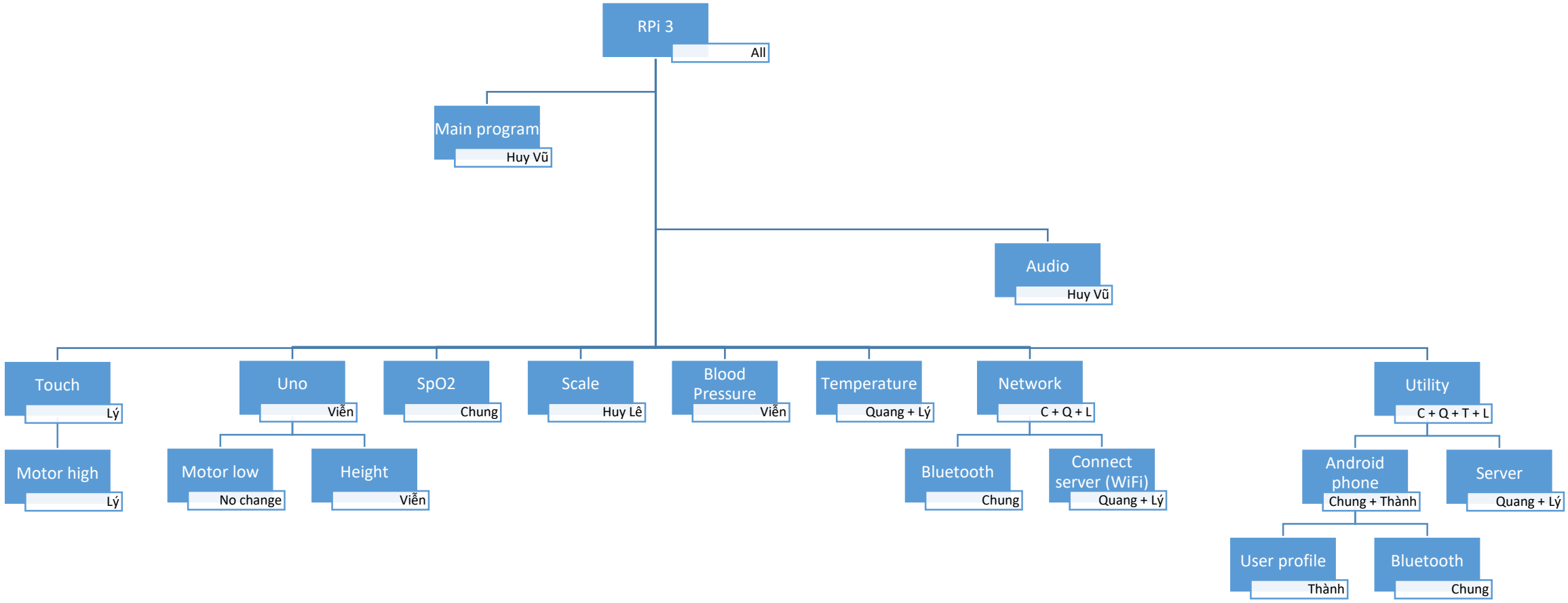
Design & Assigned Task



Task Detail

Main Program

- Define Function names
- Define Workflow
- Port main program from Gali -> Pi
- Manage project
- Huy Vũ

Scale

- Add new module
- Hack an electronic scale
- Huy Lê

Audio

- Add new module
- Using Speaker
- Huy Vũ

Task Detail

SpO2

- Port from Uno
- Chung

Blood Pressure

- Replace old module
- Method: TBD???? (Iron Man OR …)
- Viễn

Task Detail (Network)

Bluetooth (Pi-side)

- Add new feature
- Using internal Bluetooth of Pi
- Chung

Connect server via wifi (Pi-side)

- Improve wifi feature
- Connect with server
- Quang + Lý

Task Detail (Android app)

User profile

- New feature
- Account for user (or sth to distinguish user)
- Database
- Collab with server
- Thành + Quang (Server)

Bluetooth (Android side)

- New feature
- Connect with current user's phone via Bluetooth
- Chung

Server

- New server
- Nodejs or anything
- Collab with "User profile"
- Quang + Lý + Thành (User Profile)

Task Detail

Uno	Height	Temperature	Touch
• Make the Uno (controlling lower motor) communicate with Pi • Only send & receive signal => Easy • Viễn	• New feature • Transfer Height result to Pi via Uno (already had result, just transfer) => Easy • Viễn	• Port from Uno to • Quang + Lý	• Use Pi to control signal from Touch module • Easy • Lý

Summary

Member	Task
Huy Vũ	Main program, Audio
Huy Lê	Scale
Chung	SpO2, Bluetooth
Thành	User profile
Viễn	Blood Pressure, Uno
Lý	Server, Connect server via wifi (Pi), temperature, touch
Quang	Server, Connect server via wifi (Pi), temperature, touch