Weekly Status Report 1

9/3/2018 – 9/10/18

Team 42 – Quadcopter Cameraman
Nate Allen - Report Manager
MirAhbab - Chief Engineer
Isaac Holtkamp - Test Engineer
Alex Nicklaus - Test Engineer
Luke Rohl - Meeting Facilitator/Scribe
Faculty Advisor -Zhengdao Wang

This week's accomplishments

- Hardware
  - Developed list of required parts (Team Effort)
  - Choose specific models for most required parts (Luke Rohl and Mir)
  - Found and reviewed data sheet for flight controller (Alex)
  - Investigated possible drone kits and existing platforms (Nate and Alex)
  - Looked into different camera concepts for proof of concept and final models (Mir)
  - Investigated drone platforms (Alex)
  - Theorized bare metal approach (Alex)
- Software
  - Developed a component diagram for Class relations (Luke)
- Structure
  - Developed a meeting structure (Team Effort)
  - Assigned roles and responsibilities to individuals (Team Effort)

Planned to accomplish next week

- Android App (Isaac)
  - Lay the foundation for the app
  - Research app to pi connections
- Hardware (Alex and Mir)
  - Determine initial thrust/weight and other physical calculations for drone
  - Finalize purchase list for electronic hardware
  - Post order for parts
- Autopilot (Luke and Nate)
  - Determine standard API calls between components
- Documentation
  - Compose a list of things that need to be documented and provide a foundation and expectations for the documented subjects (Nate)
  - Compose the documents themselves (Team Effort)

Roadblocks

- All is well □

Hours Spend

Team member	Hours This Week	Hours Total
Nate Allen	6	6
Alex Nicklaus	6	6
Luke Rohl	6	6
Mir Ahbab	6	6
Isaac Holtkamp	5	5