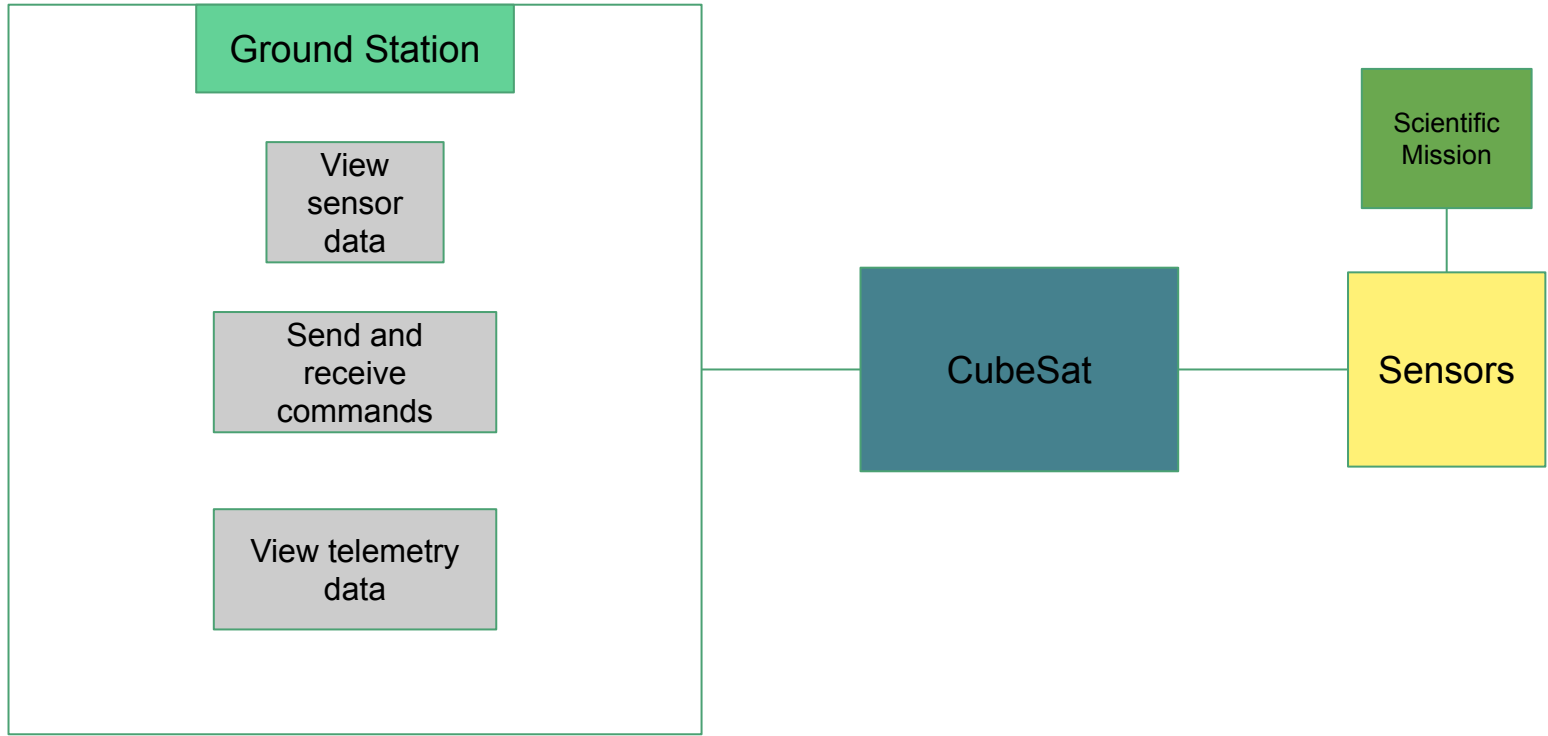# CubeSat - Milestone 1

Jacob Liberman - Computer Science

Milestone 1 outline

- Pick core CubeSat framework
- Get base framework running in a VM
- "Hello World" communications demo
- Implement test application
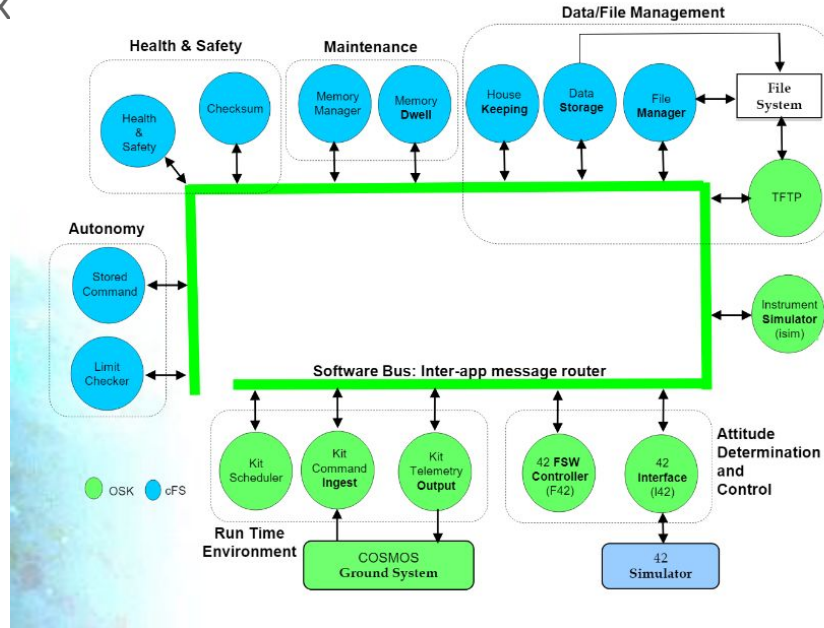- Create design plan

Design

Progress Matrix

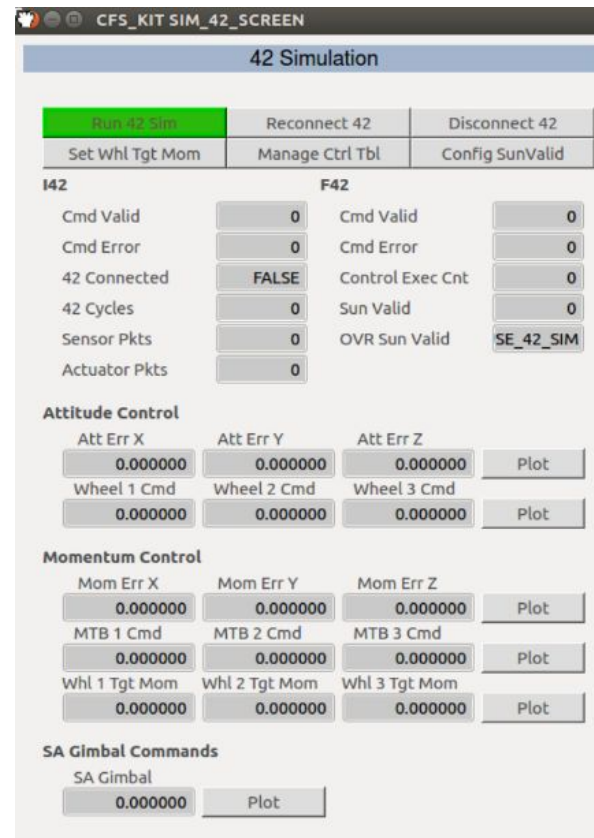| Task	Completion %	To do
1. Investigate and select core framework	100%	none
1. Get framework running in VM	100%	none
1. Communications Demo	100%	none
1. Design Document	80%	map out state machine
1. Implement test application	35%	design and debug
1. Simulation	10%	create the system in Unity

OpenSatKit

- A "starter kit" based on NASA's Core Flight System
  - Provides a layered architecture to allow for easier application development
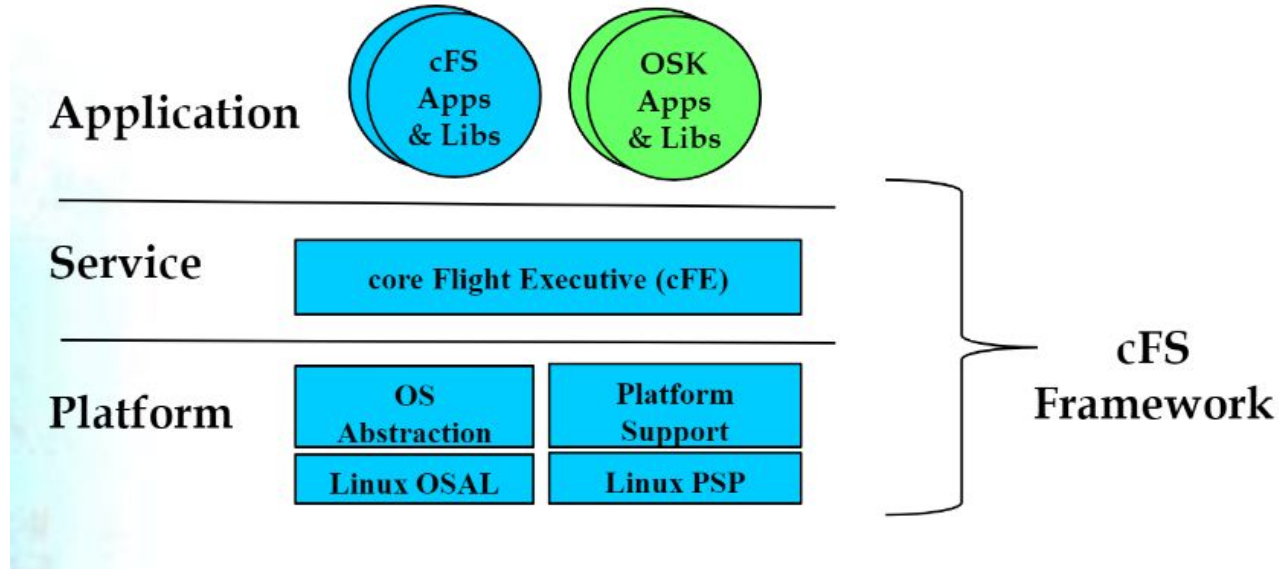- Runs on Linux

Communications Demo

- Uses built in sample data set

Implementing test application

Milestone 2 Plan

Tasks
Implement test application
Simulation
Implement true application