ISS: Project feature proposal

Users:

- Astronauts
- Ground control staff

Features:

Resource management

Resources such as food and oxygen will be managed by the system. When resources are low the system will send to ground control for more. Astronauts can 'order' food to eat and upon doing so the system updates its inventory. Ground control users can then ship the required resources to the ISS.

Managed shuttle docking

The ISS can accommodate 8 ships being docked at one time. The system will keep track of what ships are docked where. Doing so enables the system to avoid collisions. Astronauts can be transferred between the ISS and earth.

Exercise Regime

Astronauts can select from a set of exercise regimes. After exercising, users will input metrics that allows the system to evaluate their performance.

Research Investigations

Ground control can set research investigations for the astronauts to complete. Astronauts are assigned to different investigations. The astronauts can then complete the investigations through a managed process which results in the completed investigation being stored.