



Task 2: User Stories

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Cognizant[®]

Background

The concept of Interplanetary Internet has been discussed since the mid-80s. As humans prepare to travel to Mars and more distant places, the need for an Interplanetary Internet becomes apparent. The traditional internet and Interplanetary Internet have a lot in common, however there are challenges that are unique to interplanetary communications, including significant latency, small bandwidth and partially lost transmissions.

Think through the details of how video conference applications that we use daily will be changed for the communication with other planets.

Deliverable for this task is to identify 3 - 5 user stories for the new Interplanetary Video-Conferencing application.

- As a video conference participant, I want to be able to initiate video calls with team members on other planets so that we can efficiently communicate and collaborate on missions.
- As a video conference participant, I want live video feed to turn off automatically, when the connection is not strong, so that my voice communication is clear.
- As a video conference participant, I want the quality of my video call to be high-definition so I can share my findings and observations with team members on other planets
- As a video conference participant, I want to receive full video feed of the conversation later, so that in cases when bandwidth was not sufficient to have a live video feed, the video will be sent to me later during the downtime.

- As a video conference participant, I want to schedule and organize video meetings with teams across different planets so that we can sync up and share information
- As a video conference participant, I want the app to have secure and encrypted connection so that sensitive information shared during my communications are kept confidential
- As a video conference operator, I want to have automatic rerouting of the connection, when a relay station is out of commission, so that video conference is not interrupted.