Micro Proposal 1:

Metadata Generation tool. My employer (the client) desires a simple, user friendly xml generating tool for creating metadata. The program should prompt a user for all necessary inputs for each data product as required by the Project Management Plan. The output xml metadata file must be able to pass the USGS parser and be FGDC compliant. The program must be expandable for satisfying other organizational standards later (maintenance). The client does not want any fields pre-populated. The program should flag unpopulated tags as errors. The client would like the starting face include a list of checkboxes for the data products that the metadata will be generated to describe. Additionally, the client would like an option to add custom categories for data products not listed.

Micro Proposal 2:

LiDAR Auto Filter tool. My employer, (the client) desires a tool for automatically classifying points in a LiDAR point cloud as (02) Ground, (06) Building, (05) Vegetation, (09) Water, (01) Unclassified. The client desires tool to work with (00) never classified point clouds and to have a classification accuracy meeting USGS Quality Level (QL) 0, 1, 2 or 3 requirements. The client requests that the tool be able to operate at a faster pace then the software they are currently using.

Micro Proposal 3:

Game: Survival, Evasion, Resistance, Escape (SERE). This game is based on a Marine Corps training school for all officers and many enlisted Military Occupational Specialties (MOS) before these soldiers are deployed for combat. It would be a non-combat game that challenges a player to: evade an enemy, using camouflage, cover and concealment, make tools and shelter, hunt for food, resist capture and, if captured, resist torture or escape.

A picture containing floor

Description generated with high confidence