



Test Plan

Versioning

Potree	v1.8
node.js	v16.17.0
npm	v8.19.2

Ideal Test Plan

- unit testing
 - Checking that the aspects of Potree HTML that we changed are behaving as expected
 - starting coordinates are the same
 - annotations camera pov are accurate
 - Verify correctness of annotations
 - make sure that we can load them without errors
 - prevents wrongly-formatted annotations
- integration and system testing (with UI)
 - Ensuring Potree is reflected on web version
 - Ensure the elements of the model end up on the final web version
 - Each annotation works as expected
 - Able to map onto new LIDAR scans with registration markers
- descriptions of tools used
 - Potree
 - Cloud web host

- descriptions of types of end users
 - Web Users:
 - Mozilla, Chrome, Edge, Brave
 - Different screen sizes
 - Mobile users
 - IOS
 - Android
- performance, reliability, etc. testing
 - Ensuring that users cannot walk in certain areas
 - off the map
 - into buildings/trees/underground
- acceptance testing
 - Ensuring a pleasant user experience
 - The instructions make sense so the user doesn't need any other information

Realistic Test Plan

- different test environments, error conditions and data-specific test cases.
 - realistically, test for web users only, with different screen sizes
- unit testing
 - Checking that the aspects of Potree HTML that we changed are behaving as expected
 - Starting coordinates are the same
 - annotations camera pov are accurate
 - Verify correctness of annotations
 - make sure that we can load them without errors
 - prevents wrongly-formatted annotations
- integration and system testing (with UI)

- Ensuring Potree is reflected on web version
- Ensure the elements of the model end up on the final web version
- Each annotation works as expected (audio plays, video runs, etc)
- descriptions of tools used
 - Potree
 - Cloud web host
- descriptions of types of end users
 - Web Users:
 - Mozilla, Chrome, Edge, Brave
 - different laptop screen sizes (not applicable to mobile yet)
- performance, reliability, etc. testing
 - Ensuring that users cannot walk in certain areas
 - into the ground
- acceptance testing
 - Ensuring a pleasant user experience
 - The instructions make sense so the user doesn't need any other information