Whaaale Testing Plan

Team 7RS

2022-11-16

1 Automatic tests

1. Checking if all icons have labels.

   Procedure:

   - Hovering over all available icons.

   Expected outcome:

   - Short description of all icons.

2. Loading several files and checking if loaded correctly

   Prerequisites:

   - Choosing a desired folder path with files.

   Procedure:

   - Load .mat file,
   - Load .hdr file(both data and header).

   Expected outcome:

   - Files should be loaded without errors.

2 Manual tests

1. Check if hyperspectral image is loading to program:

   Prerequisites:

   - Prepare .mat file,
   - Prepare .hdr file one for data and other for header.

   Procedure:

   - Load .mat file,
   - Load .hdr file (both data and header).

   Expected outcome:

- File should be loaded with no errors.

2. Check if program display single band:

   Prerequisites:

   - Loaded image file.

   Expected outcome:

   - Monochromatic image should be displayed.

3. Check program displays selected color band image:

   Prerequisites:

   - Loaded image file.

   Expected outcome:

   - Image should be displayed in the selected color band.

4. Check if point for spectral curve can be selected:

   Prerequisites:

   - Loaded image file.

   Expected outcome:

   - Spectral curve should be modified according to the selected pixel.

5. Check if is possible to export the curve:

   Prerequisites:

   - Loaded image file.

   Expected outcome:

   - Exported CSV or PNG file containing curve.

6. Find similar pixels:

   Prerequisites:

   - Loaded image file. Expected outcome:
   - All pixels similar to selected with tolerance are displayed.

3   Non functional tests

- Check if program works on different environments ie. Mac and Windows
- Check size of program (max 500 MB)
- Ensure that UI is clear and readable

4 Timetable of tests

Stage	Dates
Test planning:	10.11.2022 - 17.11.2022
Iteration 1 of functional testing:	18.11.2022 - 25.11.2022
Development team correction:	25.11.2022 - 29.11.2022
Iteration 2 of functional testing:	29.11.2022 - 02.12.2022
Release to production:	06.12.2022

Test schedule

Test Planning	Planning
Iteration 1	Testing
Corrections	Fixing bugs
Iteration 2	Testing
Release	Release

Nov 11 Nov 13 Nov 15 Nov 17 Nov 19 Nov 21 Nov 23 Nov 25 Nov 27 Nov 29 Dec 1 Dec 3 Dec 5 Dec 7