13/03 - Meeting with Mark

Date & time: 7:00pm - 7:30pm, 13/03

Location: Online - Microsoft Teams

Attendance: Joe, Mark and whole team

▼ Agenda

1. Current codebase

2. Is there any existing documentation on OrthoVis operation that we can look over

3. Team composition → how should we integrate with the backend work currently being done?

4. Catherine and Joe have sort of broken up the project into 'modules' for us and have recommended getting started with the GUI and Image segmentation - should the team set up our own repository for this with the aim of integrating more complex back-end work a bit further down the line?

5. Image segmentation - 3D Slicer, Simpleware… any recommendations?

6. Training ML models → do we need to get access to equipment at the ANU to aid with this?

▼ Minutes

▼ Discussion points

▼ Codebase & Documentation

- Codebase Access: Joe will provide access to the current codebase.

- Documentation: Mark will check for any existing documentation on OrthoVis operation.

▼ Team Composition & Workflow

- Mark confirmed that some team members can contribute to the backend algorithm, while the rest focus on the GUI.

- AI & Machine Learning Training:

  ○ The training will be conducted using Mark's machine, which has a GPU.

  ○ No immediate need for additional university resources.

▼ Image Segmentation & Tools

- Next week, the team will investigate 3D Slicer and Simpleware.

- Insights from Mark:

- 3D Slicer is built on Python, so reviewing its source code for segmentation would be beneficial.
- The existing segmentation algorithm is already trained to differentiate parts, making it valuable for the next steps.

▼ Project Management & Communication

- Development Approach (Mark):
  - The team should start by refining the GUI design, focusing on user interfaces and inputs.
  - More complex backend integration can follow later.
- Repository Setup:
  - Joe will create a shared repository for centralizing materials.
  - The team will share project progress with Mark via Git.
- Communication with Mark: Thursdays are suitable for check-ins.

▼ Action Items

- Joe to share access to the current codebase.
- Mark to check for available documentation on OrthoVis.
- Team to begin reviewing 3D Slicer and Simpleware.
- Joe to set up a shared repository for materials.
- Team to finalize GUI structure and segmentation testing approach.