

Project Team 10 – Meeting Minutes

Date: Wednesday, 4th December 2025

Time: 1:00 PM

Location: Virtual (Microsoft Teams)

Meeting Type: Weekly Project Meeting

Present: Yeaw Chu Lee, Tianyang Zhao, Ethan Adegbeyeni, David Bello, Jenson McEwan

Meeting Purpose

Present research findings on viable platform options, discuss data migration strategies, and establish MVP requirements.

Discussion Summary

1. Research Findings Presentation

- Team presented explanation of research conducted on platform viability.
- Discussed most viable options identified through investigation.

2. Client Feedback and Suggestions

- Client provided feedback on proposed approaches.
- Suggestion made regarding potential plugin to facilitate data transfer from ParaView to Unity.

3. Understanding OpenFOAM Data

- Discussion on understanding and working with OpenFOAM data structures.
- Team explored data format requirements and compatibility considerations.

4. Project Direction and MVP Definition

- Decision made to proceed assuming no Unity implementation initially.
- **Client defined MVP expectations:**
 - Successfully extracting data from ParaView.
 - Streamlining data transfer to Unity.
 - Identifying which data can be effectively moved across platforms.
 - Client confirmed this would satisfy MVP requirements.

5. ParaView Showcase and Tutorial

- Additional demonstration and tutorial of ParaView functionality provided.
 - Explanation of ParaView's architecture and capabilities.
 - Noted that filters in ParaView are written in Python, opening opportunities for custom development.
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New Items

- Focus on extracting data from ParaView for Unity integration.
 - Investigate plugin options for data migration between platforms.
 - Explore Python-based filter development in ParaView.
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Items for Next Meeting

1. Attend ParaView tutorial session with Tianyang.
 2. Present MVP development containing:
 - Generated waves
 - Turbine implementation
 - Functional pipeline to transfer data from ParaView to Unity
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Next Meeting

Tutorial Session with Tianyang: Saturday, 14th December 2025

Location: Virtual (Microsoft Teams)