Timeline:

16/01/2024 - Contacted Carlos, read paper linked in forum (https://dl.acm.org/doi/abs/10.1145/3387940.3392183)

17/01/2024 - Initial meeting with Carlos with additional reading given (file:///C:/Users/ellyp/Downloads/qse_chapter%20(2).pdf)

18/01/2024 - Saved research paper related to topic - chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://arxiv.org/ftp/arxiv/papers/2211/2211.13990.pdf - slightly unsure where i obtained this

Spoke with software engineer (friend) linked mermaid - open source UML package https://github.com/mermaid-js/mermaid

Jumping off point with being familiar with UML, however, I need to investigate what would be the “go to” UML package for software engineers, or those who use UML regularly? (this also needs to be investigated)

19/01/2024 - Project acceptance. Attended first Quantum Computing Module

24/01/2024 - Read National Quantum Strategy (NQS) (https://www.gov.uk/government/publications/national-quantum-strategy) - Goal 3 seems to be relevant, adoption of Quantum technologies in the UK, goal being to integrate quantum technologies with industry end users, those without core understanding of quantum physics. Links with papers goals of QUML aiding adoption of quantum softwares

30/01/2024 - Received purchased book UML @ Classroom, from today’s date (13/02/2024) casual reading to understand basic concepts of UML.

01/02/2024 - Researched links to UK Quantum organisations mentioned in NQS to source either potential contacts or opportunity to practise using quantum software emulators. Focused on NQCC, so far could only garner opportunities for paid courses but could do with further research.

Roughly 01/02/2024 to 13/02/2024 - aware of IBM’s Qiskit, open-source, python-based quantum SDK. Not looked into properly yet but worth noting to code in a quantum language and how this could be applied to UML

Also started doing independent learning into Linear Algebra to build up understanding necessary for first half of QC module

To-Do List:

Use a UML package to gain practical understanding of how it’s implemented. Which classes of UML will QUML be relevant to?

Use Qiskit

Read the references from Carlos papers.