8 Future Work*

9 Conclusion

When this thesis work started, the future of the XMI standard which facilitate the interoperability between visual modeling tools was unsure. This meant that even if the connection between VDM VSCode and UML was established successfully there was no real way to reliably view the generated UML files. When the possibility of using PlantUML as a visualization tool for Class Diagrams presented itself, it suggested a solution to the XMI interoperability issue as converting to and from XMI would be an internal step and not the link between two tools. More importantly, a connection between VDM and PlantUML would be a huge step towards creating a user friendly environment where the back and forth use of UML enhances the modeling experience, instead of being a once per model step.

As it stands, the UML coupling that existed on Overture has found a stable implementation on VDM VSCode and the PlantUML integration signals a promising future for UML aided formal modeling. The steps taking in the thesis work was only possible because of the huge effort made by others and we hope that the achieved results help in moving The Overture Project forward.