**ViKER – Scope**

**Week 2:**

* Understanding the logic behind the transformation rules and mapping out how it will be used on paper
* Create 5 test cases which include an ER (Entity Relationship) Model as input and a AR (Abstract Relationship) Model as output.

**Week 3:**

* Decide on a front-end framework in order to construct the GUI (Graphical User Interface) for creating the models.
* The GUI must include following functionality:
  + Allow the user to construct an ER model that in turn creates the relevant AR model.
  + Allow the user to create an AR model that in turn creates an ER model, this will be used for testing purposes.
  + Must include an error log that outputs all errors when implementing the transformation rules from the ERM to ARM and from the ARM to the ERM.
* The initial GUI will act as an MVP, with primary focus on implementing the rules and logic, and minimal emphasis on design.
* Understand how to implement the transformation rules in code, and how we will implement them in our chosen framework.
* Develop the backend and implement the transformation rules from ERM to ARM and ARM to ERM.

**Week 4:**

* Focus on error handling on the backend and make sure we output all the relevant errors to the user as they need to be aware of when the transformation cannot be applied correctly.
* Focus on developing an easy to use and understand UI and UX.

**Week 5:**

* Clean up code
  + Ensure the code is well documented and has comments throughout for clear understanding of code execution.
* Document test results.
* Begin developing a user manual that explains how to use the software to the user.

**Week 6:**

* Finalise the user manual and make sure it is easy to understand.