Technologies for implementation notes

* Jupiter notebook: This is something I have already used and have experience with. Beginner friendly language (Python)
  + Plug-in implementation: I could develop a plug-in which would allow the tool to be implemented in a variety of ways.
* Key features of the implementation to gather data:
  + Time tracking for task: tracks how long a student takes to complete a task
  + Note taking ability: a pop up or text box which allows students to record their thought on a task quickly. This would need to be available when the student is doing the task.
  + Emote selection: This feature could gather information based on feelings at the start and end of task (has the task made the student upset or happier)
  + Multiple selection questions: This is an easy way for student to engage and collect data on how well they thought they did and thoughts throughout the exercise.
* How to use the data:
  + Apply a structure cycle of using the students’ responses and applying them to future tasks – employing a reflective cycle
  + Self-reflection means that the students must agree and be a part of the evaluation- this is very important
  + At the end of each task there should be a tool which allows students to evaluate their response and then build up on them for the next exercise
  + Following Gibbs’ principles at the start of the next exercises the student could be prompted to evaluate their thoughts and experiences from the previous tasks