**Agile Development Methodology**

Agile methodology was a must-use strategy for this assessment. The first and most important part of this project was to read the client brief and convert it into a engineering specification document, which includes non-functional requirements and functional. Creating a detailed easy-to-understand specification is critical in order to create the software, fulfilling the client’s need. The specification consists or Inputs, Outputs, Expected Behaviors, and diagrams to visualize the logic. The creation of the specification took a couple of days, due to many iterations. For example, the first iteration evaluated that the specification was inconsistent, and did not express all of the clients needs. Furthermore, in the second iteration, it was agreed on, that status and modified dates, must be enabled.

Another important part was the planning of sprints (execution). Initially, from the assessment brief, it was known that there would be two increments. The initial prototype, and the final application. Planning sprints, to divide the work into fair amount, is highly important. The first sprint (in the first increment) was fully dedicated to creating the specification. However, the second sprint was more focused on the application development and a/b testing. The third sprint was mainly for defect finding and fixing.

I conclusion, I believe in my project I have used agile methodology, which has non-arguably boosted my process and quality of work. From creating requirements, planning, implementing, and defect finding and fixing.

Bellow is a picture providing evidence of my Kanban (To Do List) during the development of the prototype.

https://github.com/Maaaabdullah/assettrackingsystem

Graphical user interface, application

Description automatically generated