**Spike:** 25

**Title:** Performance and optimisations

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**Goals / deliverables:**

* Record performance of collision
* Results into table
* Rework code to be faster

**Technologies, Tools, and Resources used:**

* Visual studio
* Excel

**Tasks undertaken:**

* Copied the sample project
* Recorded 2 rounds of data
* Placed data into table
* Optimised loops
* Recorded 2 round of data again
* compared

**What we found out:**

Test results

From this example we can clearly see a massive improvement in performance. Roughly a 30% increase in loops from the best method in the provided sample.