Querri: SLMs Sprint 4 Metrics Report

Scrum Master: Ethan Greene

Team Members: Sydney Wertz, Madison Dabbs, Sean Faust, Julian Feliciano

Summary:

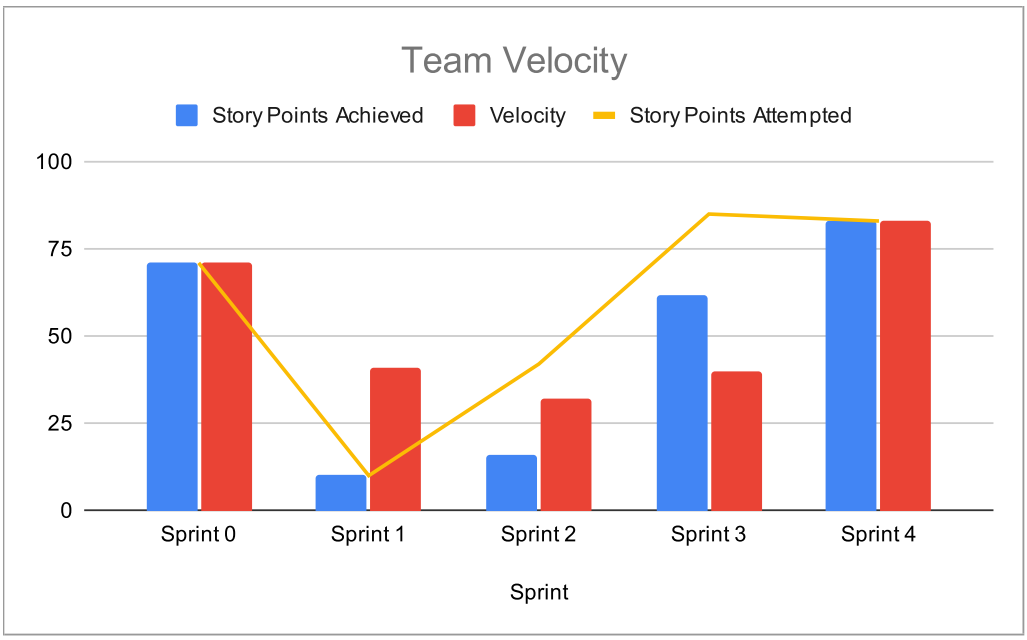
Total Committed Tasks:	83
Total Completed Tasks:	83
Completion Rate:	100%

Task:	Complete?	Task:	Complete?
Create a supervised model (20)	Yes	Peer Evaluations	Yes
Create a reinforced model (20)	Yes	Daily stand-Up Minutes(1)	Yes
Refine our supervised model (10)	Yes	Sprint Metrics Report(2)	Yes
		Sprint Review Meeting(3)	Yes, Scheduled for Tuesday afternoon (04/15/2025)
Refine our unsupervised model (10)	Yes		
Expand Promt and Completion Dataset (5)	Yes	Fine-Tuning Process Writeup (12)	Yes
Deploy our model (5)	Yes	Introduce Docker (5)	Yes

Conclusion:

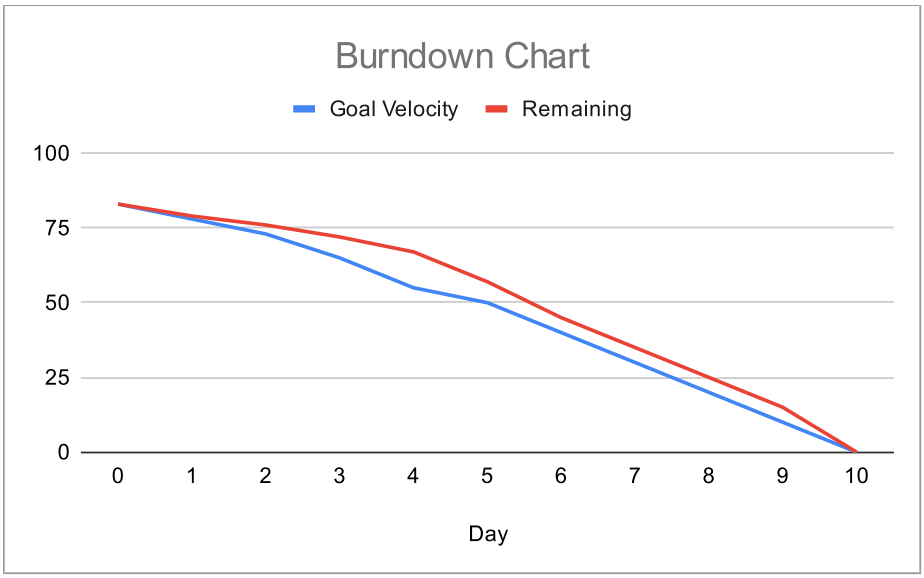
The pivot we took in sprint 3 was a huge and late pivot as after spending two sprints dealing with permissions issues we really had to hit the ground running. We learned how to and developed models through the open-source fine-tuning of some small language models already out there. Through the hard work of our team we successfully got models running this sprint and have even pushed them to an open-source platform where you can share your models known as Hugging Face. This was by far our most productive sprint with many of our team members spending any of the time they had outside of other classes dedicated to getting our delivarebles finished.

	Sprint	Story Points Attempted	Story Points Achieved	Velocity
	Sprint 0	71	71	71
	Sprint 1	10	10	41
	Sprint 2	42	16	32
	Sprint 3	85	62	40
	Sprint 4	83	83	83
Total		291	242	110



Burndown Metrics

Day	Story Point Goals	Complete	Goal Velocity	Remaining
0	0	0	83	83
1	5	4	78	79
2	5	3	73	76
3	8	4	65	72
4	10	5	55	67
5	5	10	50	57
6	10	12	40	45
7	10	10	30	35
8	10	10	20	25
9	10	10	10	15
10	10	15	0	0



Burndown Breakdown:

This Burndown Chart is a fantastic representation of our team's velocity after being given the tools to get stuff done. We started off finishing off a lot of research on how we could complete these models and gathering data leading to help train our model. After finishing a lot of the easier objectives for the sprints about halfway through our models began running leading to thar very efficient drop midway through the sprint. Finally we have been refining these models and getting