Project 3: Automating Database Question Generation and Marking - Team A
July 26 - July 28
Task Summary
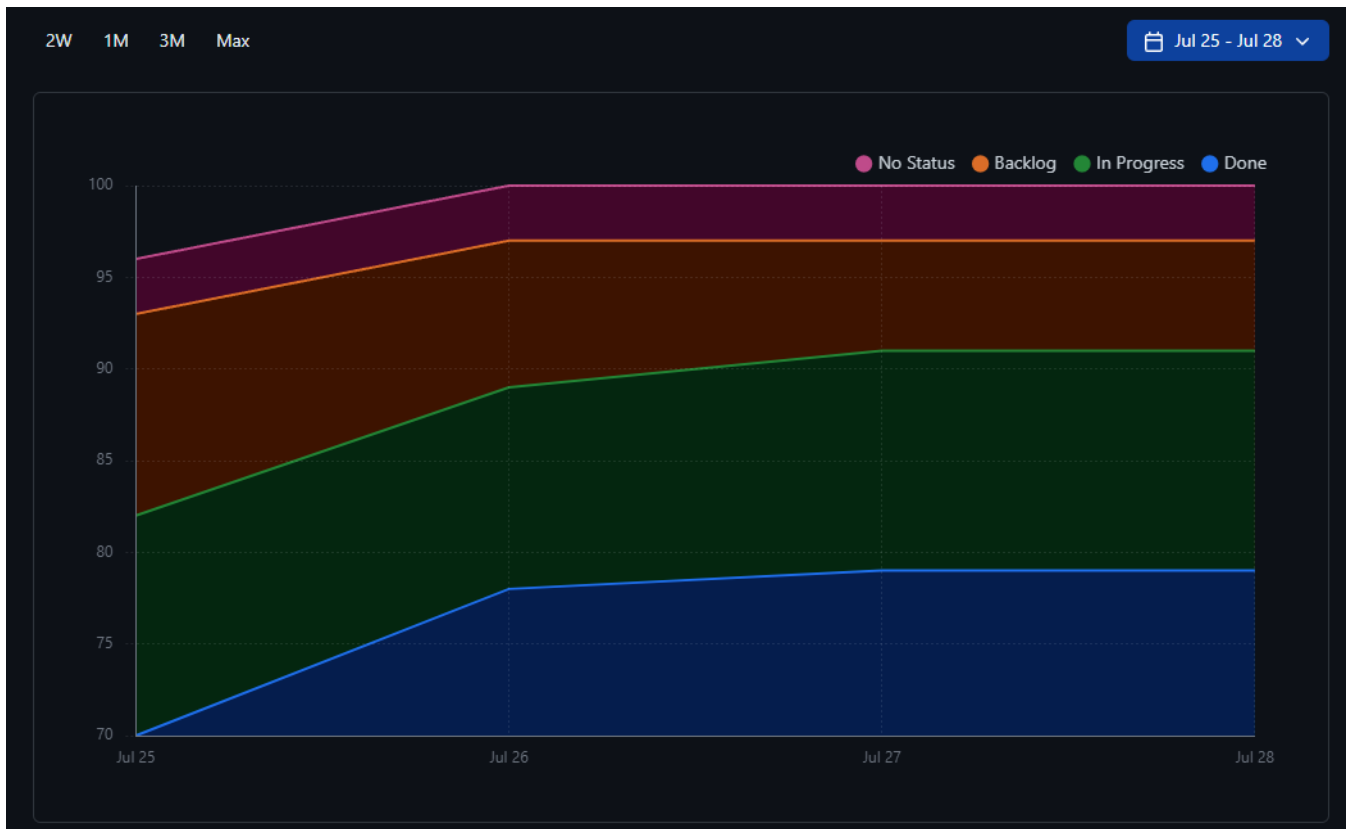
Completed since last meeting:

	Title		Assignees		Status		Com... ⇅		T-Shirt Size	
1	⊘ Selenium Documentation #181		🟢 nishant-sr		Done		Jul 27, 2023		X-Small	
2	⊘ RelaX - Write Autograder Tests #60		🟢 azipis and nishant-sr		Done		Jul 26, 2023		Small	

In progress:

	Title		Assignees		Status		T-Shirt Size	
1	⊙ RelaX - Write Autogenerator Tests #61		🟢 MatthewObirek an...		In Progress		Small	
2	⊙ Professor can set whether a question shows correct answer after student submits their ans... #44		🟢 azipis, Finkch, Mat...		In Progress		Medium	
3	⊙ Testorama #199		🟢 nishant-sr		In Progress		Small	
4	⊙ RelaX - Autogenerator - Question variation #178		🟢 MatthewObirek		In Progress		Medium	

Burnup since last meeting:
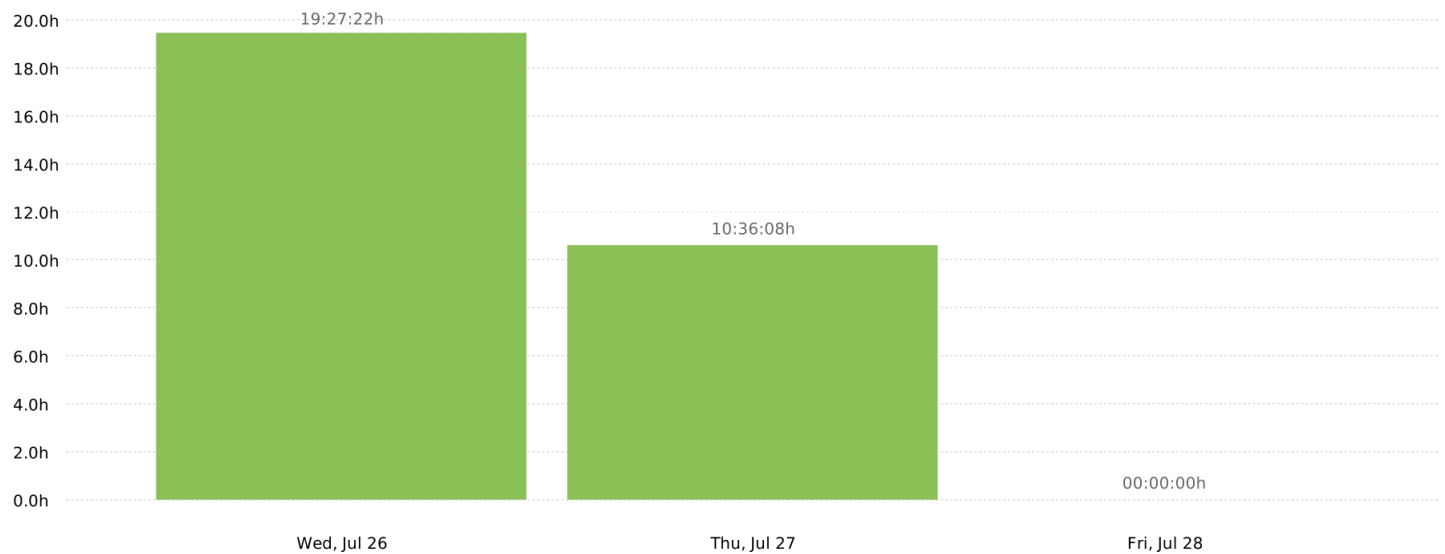
Burnup to date:
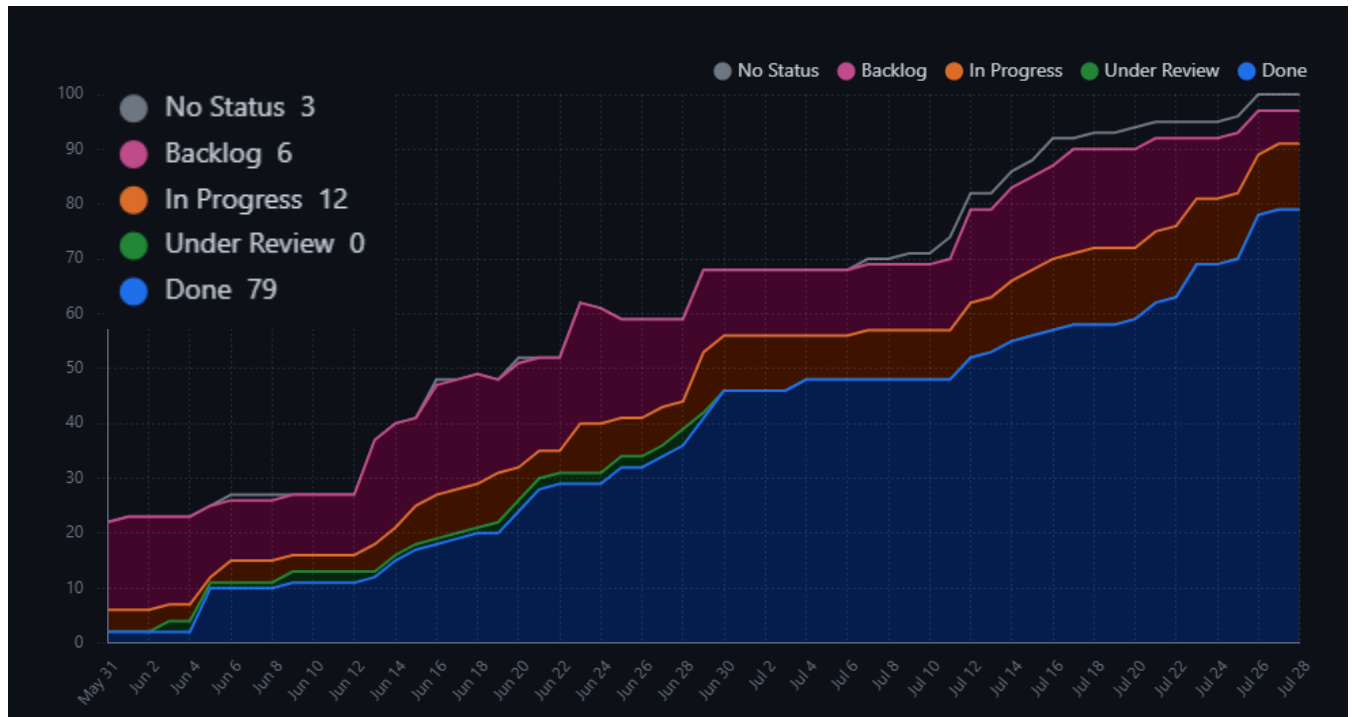
Kanban Board:
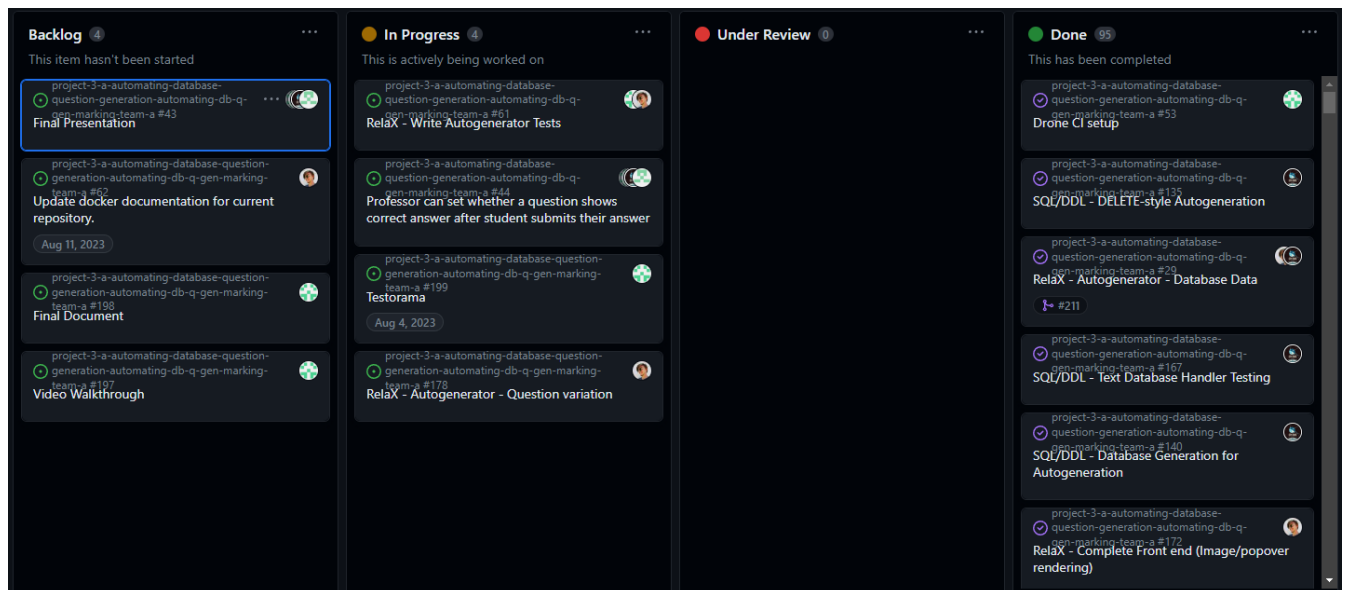
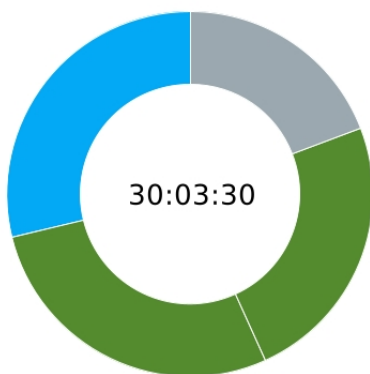| REQUIREMENTS	Type of Test	Pass or Fail	Contributor
Functional			N=Nishant, A=Andrei, S=Skyler, M=Matthew
1.1 System will allow for relational algebra statements to be entered.	UI Testing Integration Testing	Pass Pass	N,N
1.2 System will show visualizations of the resulting entered statement prior to submission.	UI Testing Integration Testing	Pass Pass	N, N
1.3 System will automatically mark the relational algebra questions once submitted.	Unit Testing	Pass	A
1.4 System will allow for DDL/SQL code to be entered. System will show resulting tables of queries prior to submission.	UI Testing Integration Testing	Pass Pass	N, N
1.5 System will automatically mark the DDL/SQL questions once submitted.	Unit Testing	Pass	N, N
1.6 Student will be able to see the correct answer if the professor has allowed for the correct answer to be displayed after the question is submitted.	Unit Testing Integration Testing UI Testing	Pass Pass Pass	A, M, N
1.7 Professor will be able to set whether the correct answer will be displayed after the question is submitted.	Unit Testing UI Testing	Fail Fail	
1.8 Professor will be able to see the correct answer.	UI Testing	Fail	
Non-Functional			
2.1 The system will support all COSC 304 users simultaneously – about 200 students.	Performance Testing	Fail	
2.2 The system will ensure data integrity and preservation so that no data is lost upon submission.	Performance Testing	Fail	
2.3 The system will display entered queries within 3 seconds at scale and under optimal conditions.	Performance Testing	Fail	
2.4 The system will return automarked submissions within 5 seconds at scale and under optimal conditions.	Performance Testing	Fail	
2.5 The user interface will match existing software used for COSC 304.	UI Testing	Pass	A, M
Technical Requirements			
3.1 Rebuild RelaX editor and calculator into PrairieLearn	UI Testing Integration Testing	Pass Pass	N, N
3.2 Frontend: JavaScript, HTML, CSS	UI Testing	Pass	N
3.3 Backend: Python, Node.JS	Unit Testing	Pass	N,A,S
3.4 Write JavaScript code that takes in SQL/DDL statements and displays appropriate table results	Integration Testing	Pass	N
3.5 Write Python code that automatically marks submitted data and returns the students grade	Unit Testing	Pass	A, N

Summary report

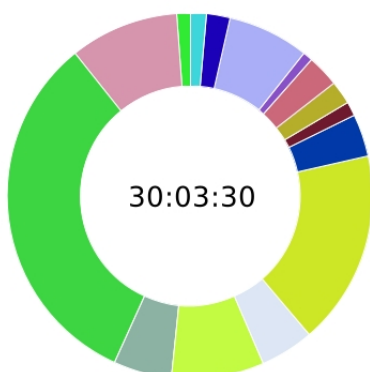07/26/2023 - 07/28/2023

Total: **30:03:30**

20.0h	
18.0h	19:27:22h
16.0h	
14.0h	
12.0h	
10.0h	10:36:08h
8.0h	
6.0h	
4.0h	
2.0h	
0.0h	00:00:00h
	Wed, Jul 26 Thu, Jul 27 Fri, Jul 28

User

●	Matthew Obirek	08:39:52	28.83%
●	Andrei Zipis	08:24:34	27.98%
●	Skyler A.	07:14:25	24.09%
●	Nishant Srinivasan	05:44:39	19.11%

30:03:30

Description

●	Code Review	00:20:36	1.14%
●	Question Improvement and Refactoring	02:53:54	9.64%
●	Team Meeting	09:45:47	32.48%
●	Local Docker/Repo/PL Issues	01:31:36	5.08%
●	#60 RelaX - Write Autograder Tests	02:28:54	8.26%

30:03:30

Testorama		01:25:31	4.74%
Question Autogen		05:09:28	17.16%
Question Autogen - testing		01:08:04	3.77%
SQL/DDL Feedback		00:22:00	1.22%
Database Autogeneration - Bug Fixes - overwrite error 3		00:36:36	2.03%
Report Meeting		00:52:11	2.89%
Communications		00:15:32	0.86%
PRs and Drone Testing		02:09:31	7.18%
Software Testing		00:38:01	2.11%
Selenium Documentation		00:25:49	1.43%

User / Description	Duration
Matthew Obirek	**08:39:52**
Team Meeting	01:30:12
Question Autogen	05:09:28
Question Autogen - testing	01:08:04
Database Autogeneration - Bug Fixes - overwrite error 3	00:36:36
Communications	00:15:32
Andrei Zipis	**08:24:34**
#60 RelaX - Write Autograder Tests	02:28:54
PRs and Drone Testing	02:09:31
Software Testing	00:38:01
Team Meeting	03:08:08
Skyler A.	**07:14:25**
Code Review	00:20:36
Question Improvement and Refactoring	02:53:54

Team Meeting	03:59:55
Nishant Srinivasan	**05:44:39**
Team Meeting	01:07:32
Local Docker/Repo/PL Issues	01:31:36
Testorama	01:25:31
SQL/DDL Feedback	00:22:00
Report Meeting	00:52:11
Selenium Documentation	00:25:49