Project 3: Automating Database Question Generation and Marking - Team A
July 4 - July 7
Task Summary

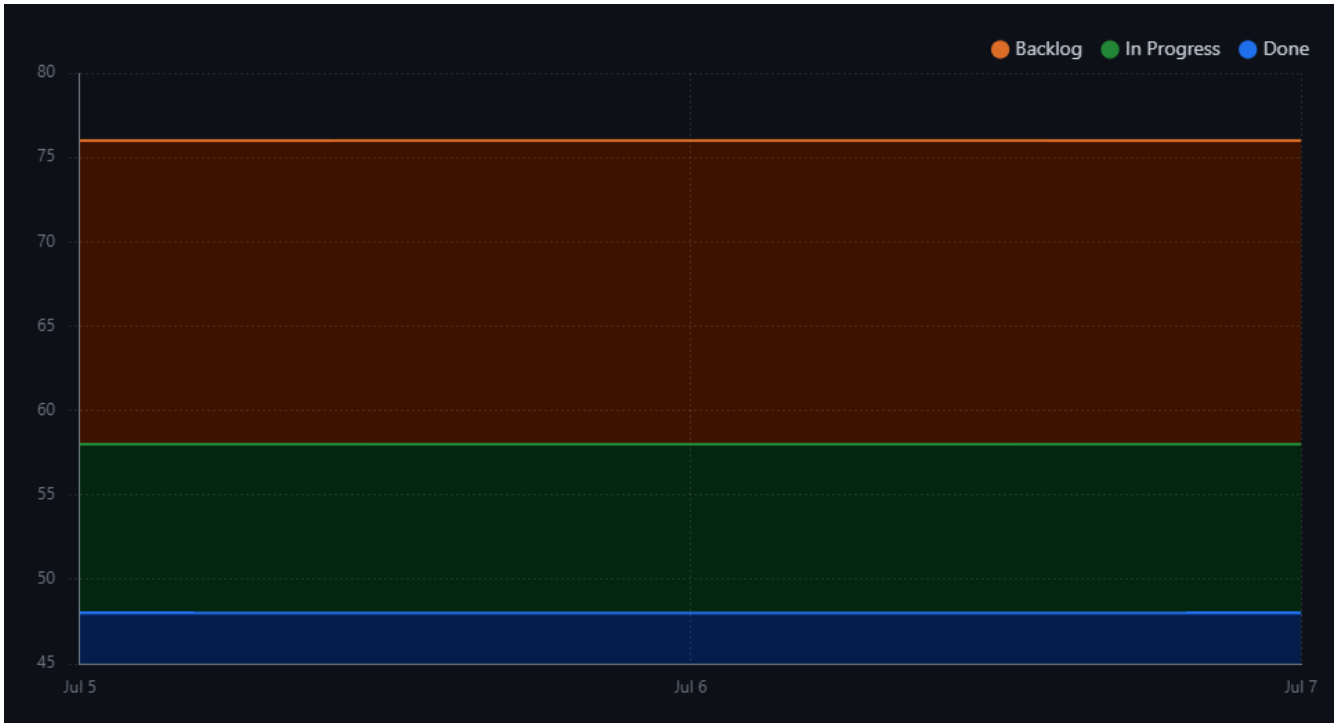
Completed since last meeting:

	Title	Assignees	Status	Com...	T-Shirt Size
1	SQL/DDL - Cleaner Random Data Generation #153	Finkch	Done	Jul 6, 2023	Small

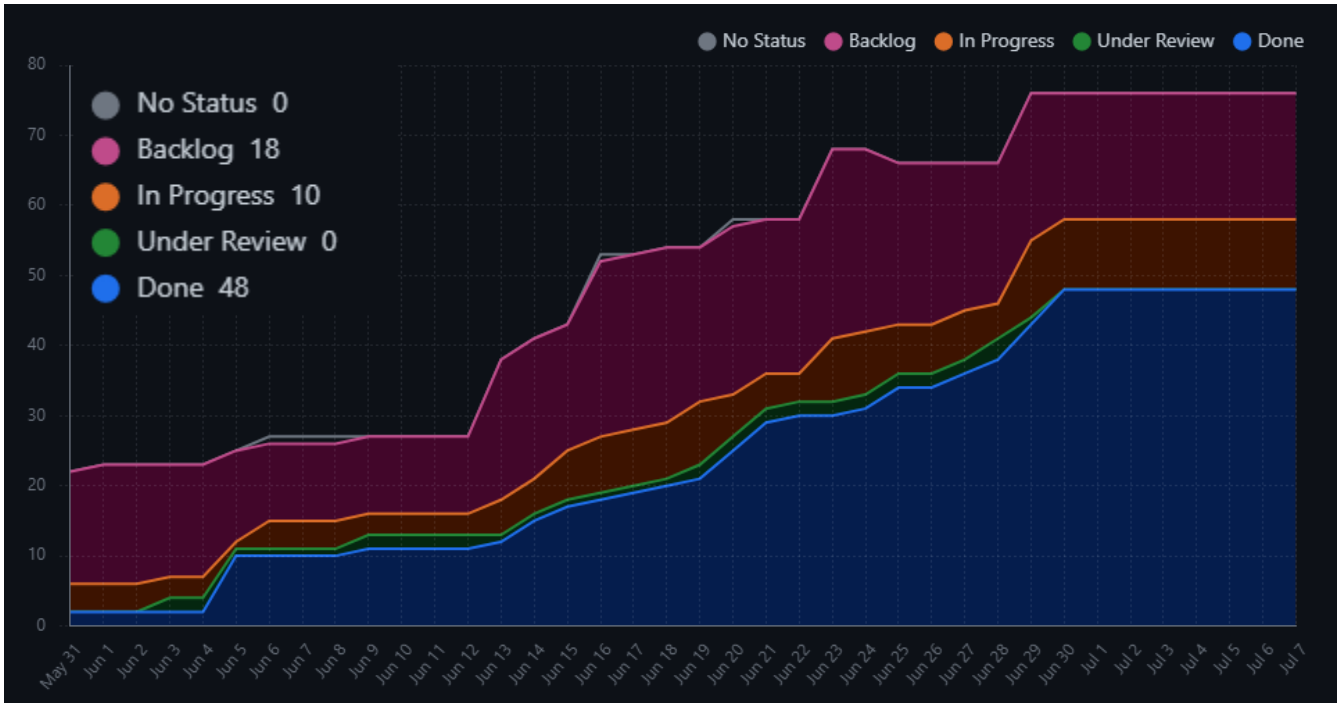
In progress:

	Title	Assignees	Status	T-Shirt Size
1	SQL/DDL - Write Input Tests #55	azipis and nishant-sr	In Progress	Small
2	SQL/DDL - Write Visualizations Tests #56	azipis and nishant-sr	In Progress	X-Small
3	SQL/DDL - Write Autograder Tests #57	azipis, Finkch, and...	In Progress	Medium
4	Testing Autograder #122	nishant-sr	In Progress	Medium
5	Testing Autogenerator #123	nishant-sr	In Progress	Large
6	SQL/DDL - CREATE-style Generation Parameterization #154	Finkch	In Progress	Medium

Burnup since last meeting:



Burnup to date:



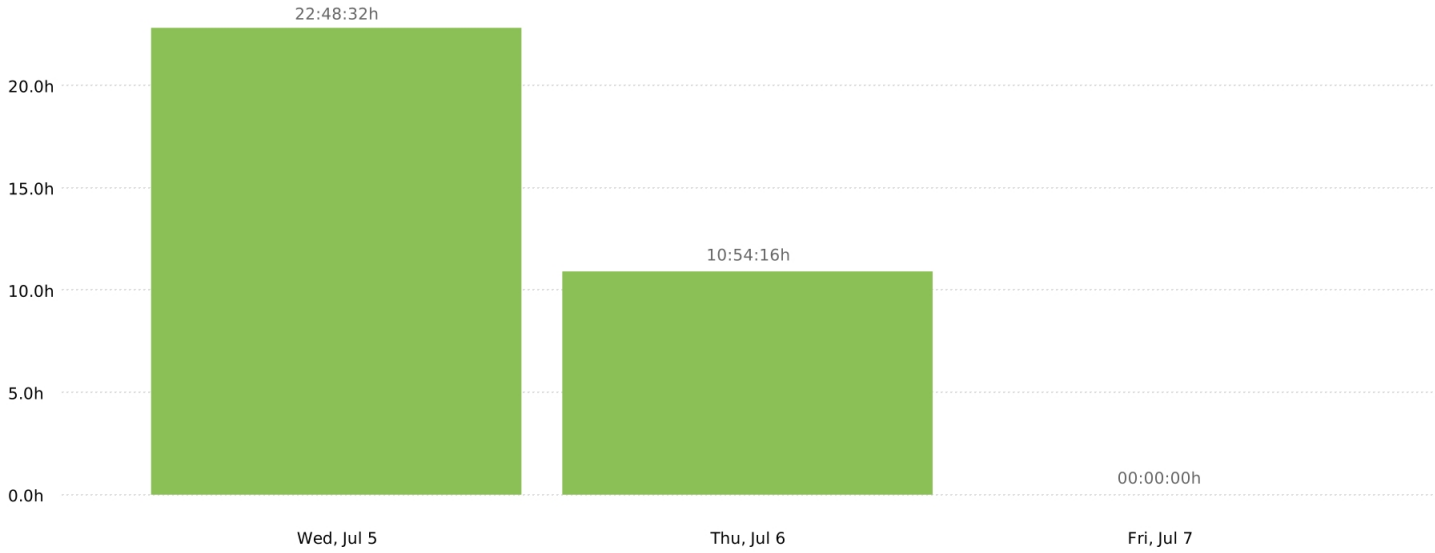
Requirements	Type of Testing	Status
Functional		
System will allow for relational algebra statements to be entered.	UI Testing Integration Testing	Fail Fail
System will show visualizations of the resulting entered statement prior to submission.	UI Testing Integration Testing	Fail Fail
System will automatically mark the relational algebra questions once submitted.	Unit Testing	Fail
System will allow for DDL/SQL code to be entered. System will show resulting tables of queries prior to submission.	UI Testing Integration Testing	Fail Fail
System will automatically mark the DDL/SQL questions once submitted.	Unit Testing	Fail
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	Fail Fail Fail
Professor will be able to set whether the correct answer will be displayed after the question is submitted.	Unit Testing UI Testing	Fail Fail
Professor will be able to see the correct answer.	UI Testing	Fail
Non-Functional		

The system will support all COSC 304 users simultaneously – about 200 students.	Performance Testing	Fail
The system will ensure data integrity and preservation so that no data is lost upon submission.	Performance Testing	Fail
The system will display entered queries within 3 seconds at scale and under optimal conditions.	Performance Testing	Fail
The system will return automarked submissions within 5 seconds at scale and under optimal conditions.	Performance Testing	Fail
The user interface will match existing software used for COSC 304.	UI Testing	Fail
Technical Requirements		
Rebuild RelaX editor and calculator into PrairieLearn	UI Testing Integration Testing	Fail Fail
Frontend: JavaScript, HTML, CSS	UI Testing	Fail
Backend: Python, Node.JS	Unit Testing	Fail
Write JavaScript code that takes in SQL/DDL statements and displays appropriate table results	Integration Testing	Fail
Write Python code that automatically marks submitted data and returns the students grade	Unit Testing	Fail

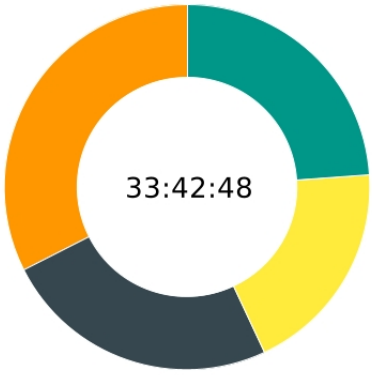
Summary report

07/05/2023 - 07/07/2023

Total: 33:42:48

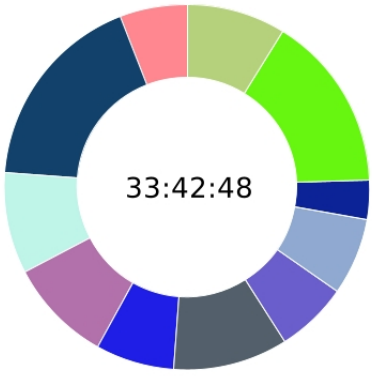


User



Andrei Zipis	10:56:17	32.44%
Matthew Obirek	08:15:56	24.52%
Nishant Srinivasan	06:26:02	19.08%
Skyler A.	08:04:33	23.95%

Description



Meeeting Prep	01:59:35	5.91%
Team Meeting	06:00:37	17.83%
MVP Presentation	03:00:44	8.93%
Class Presentation	03:05:47	9.18%
Finishing Tree	02:20:38	6.95%

●	Presentations	03:25:47	10.17%
●	Random Data Generation	02:08:05	6.33%
●	Team Meeting + Client Meeting	02:18:43	6.86%
●	Autogen Testing	01:10:00	3.46%
●	#55 SQL/DDL - Write Input Tests	05:15:33	15.60%
●	MVP Presentations	02:57:19	8.77%

User / Description	Duration
Andrei Zipis	10:56:17
MVP Presentation	03:00:44
#55 SQL/DDL - Write Input Tests	05:15:33
Team Meeting	02:40:00
Matthew Obirek	08:15:56
Meeeting Prep	01:59:35
Finishing Tree	02:20:38
Presentations	03:25:47
Team Meeting	00:29:56
Nishant Srinivasan	06:26:02
Team Meeting + Client Meeting	02:18:43
Autogen Testing	01:10:00
MVP Presentations	02:57:19
Skyler A.	08:04:33
Team Meeting	02:50:41
Class Presentation	03:05:47
Random Data Generation	02:08:05