

Project 3: Automating Database Question Generation and Marking - Team A

July 28 - Aug 4

Task Summary

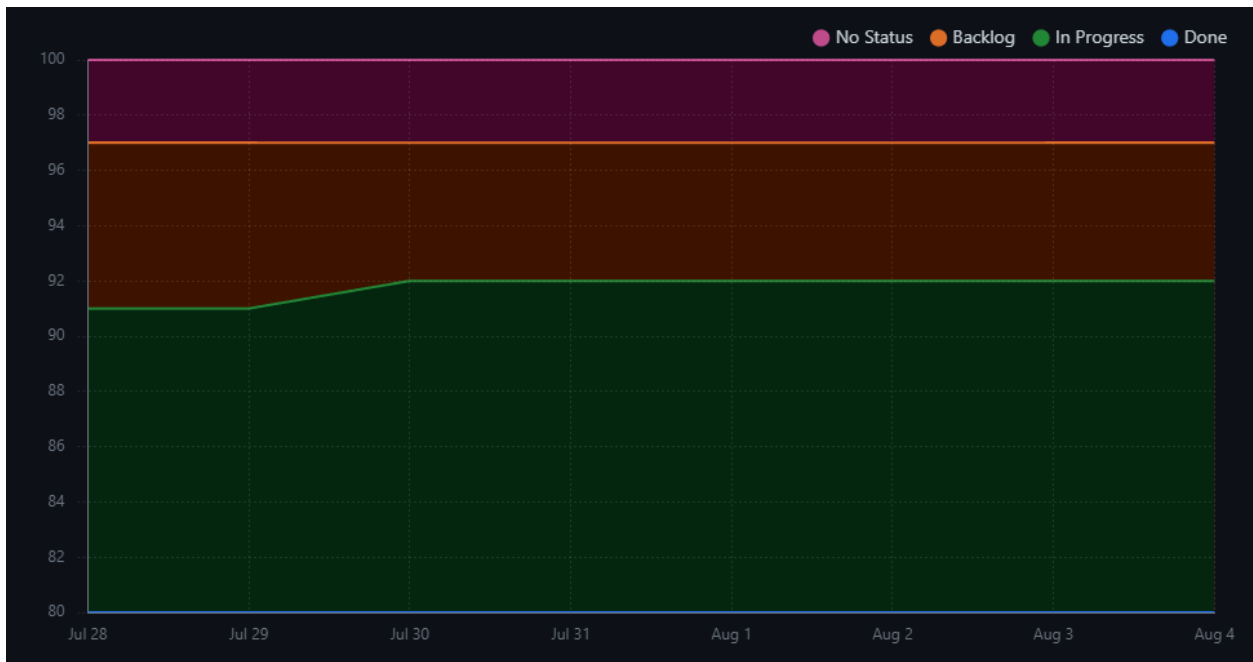
Completed since last meeting:

	Title	Assignees	Status	Com...	T-Shirt Size
1	RelaX - Autogenerator - Question variation #178	MatthewObirek	Done	Aug 3, 2023	Medium
2	Testorama Survey and List #199	nishant-sr	Done	Jul 28, 2023	Small

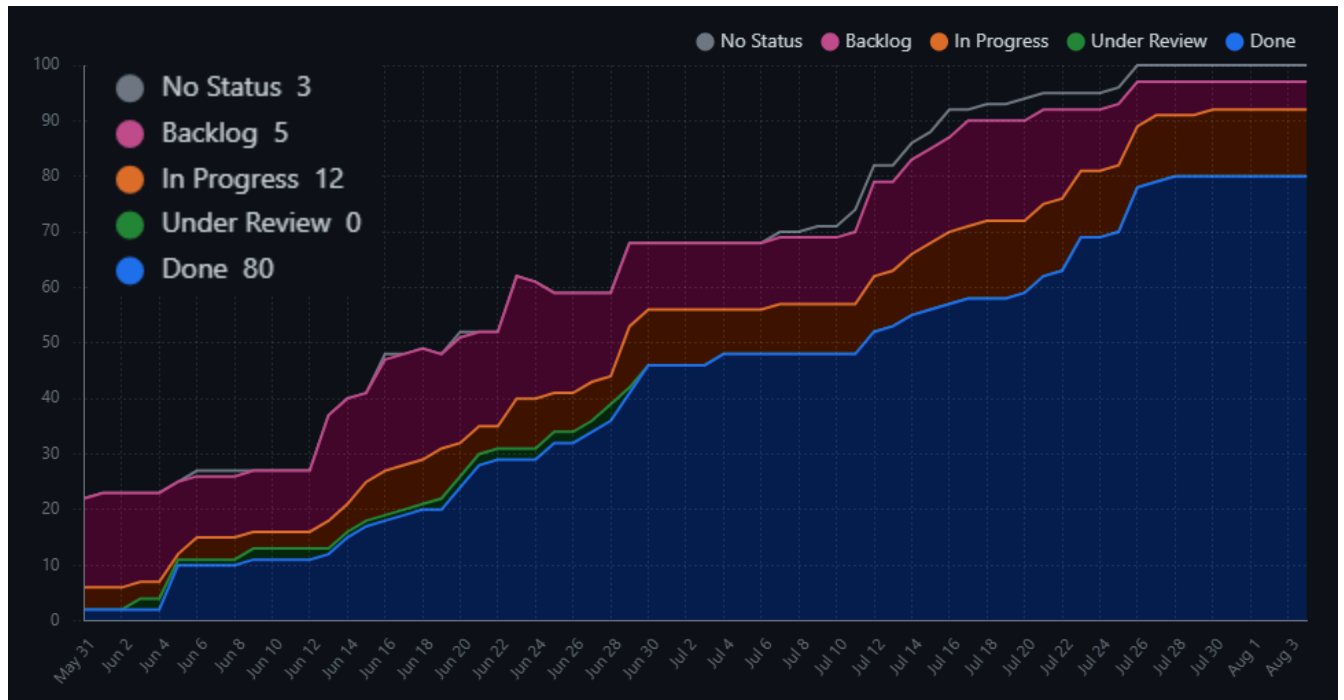
In progress:

	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	Final Document #198	nishant-sr	In Progress	Small

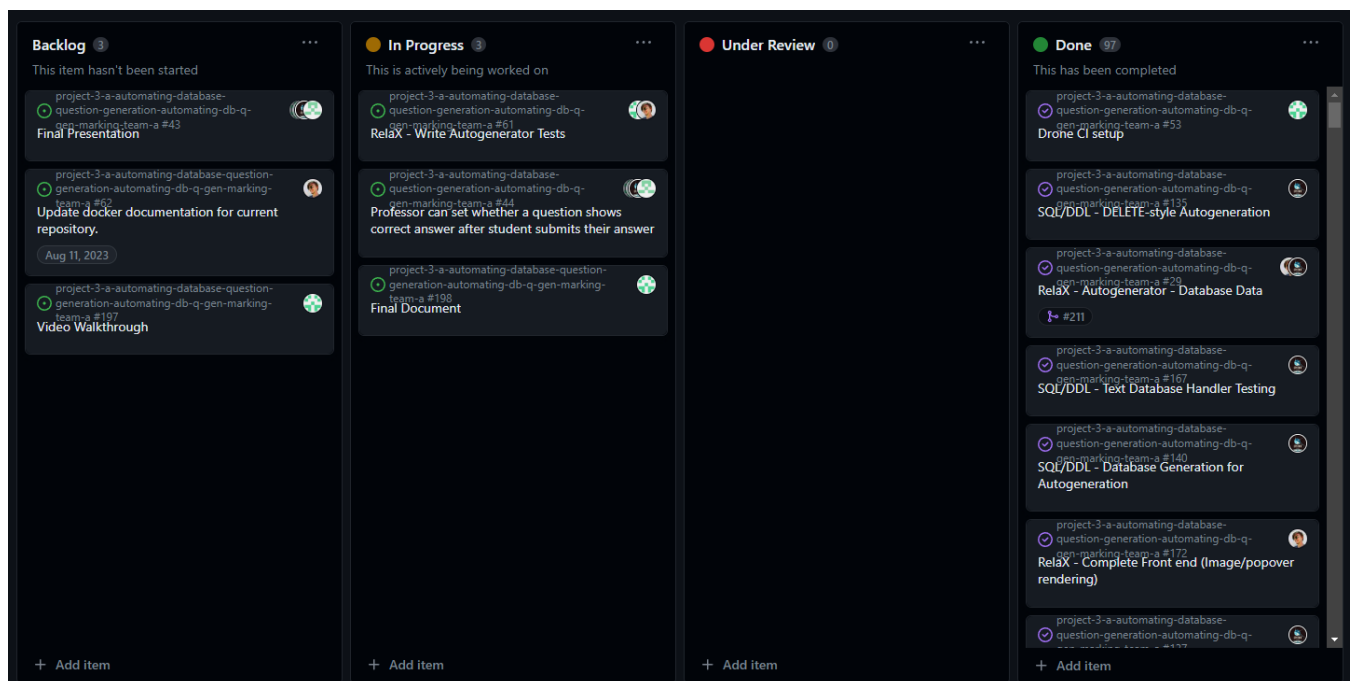
Burnup since last meeting:



Burnup to date:



Kanban Board:

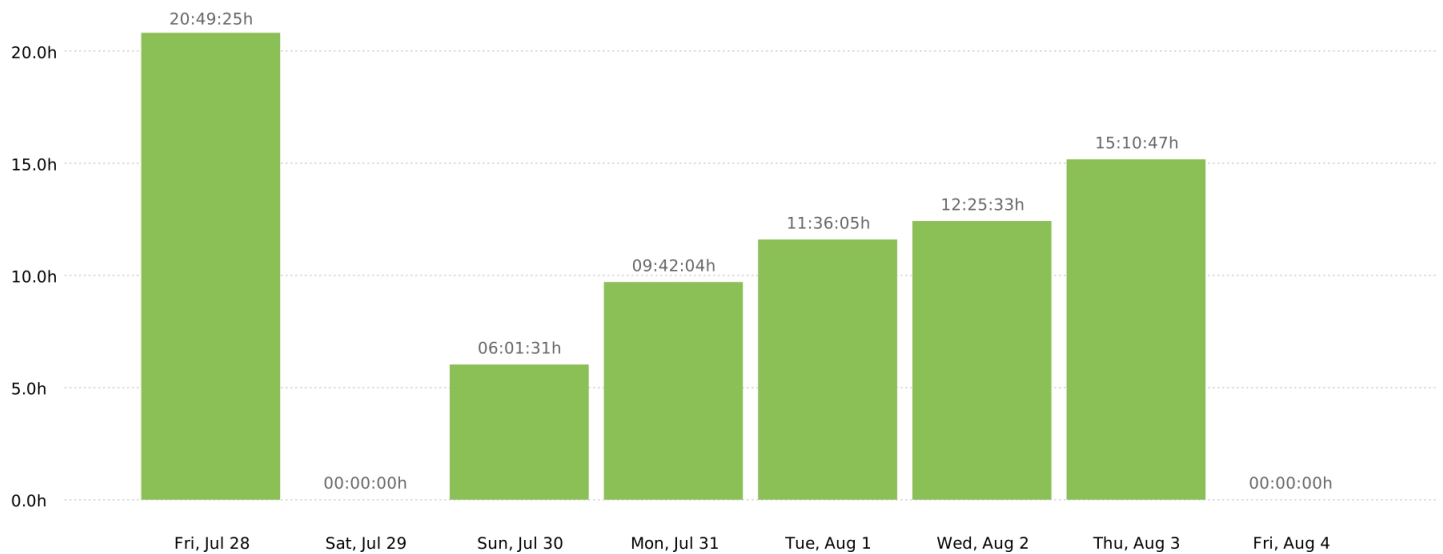


Summary report

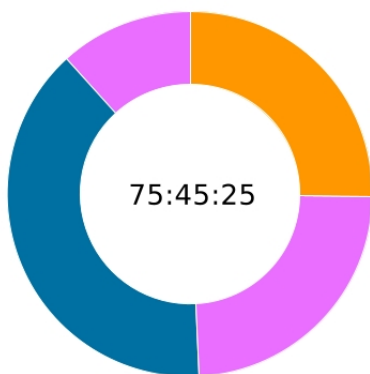
07/28/2023 - 08/04/2023



Total: 75:45:25

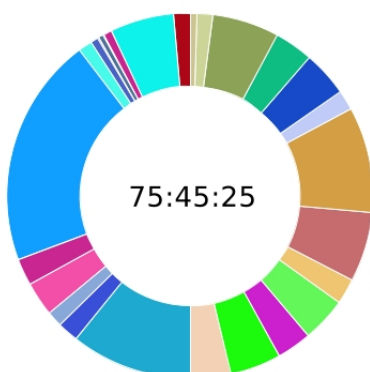


User



Andrei Zipis	08:55:30	11.78%
Matthew Obirek	29:35:04	39.05%
Nishant Srinivasan	18:08:22	23.94%
Skyler A.	19:06:29	25.22%

Description



Test-o-rama Preparation	01:06:42	1.47%
Question Autogen - Joins Abstraction	04:16:54	5.65%
Question Autogen - neededColumns	00:31:57	0.70%
docs	00:03:24	0.07%
Team Communication & Planning	00:18:03	0.40%

● Communications	00:05:00	0.11%
● Testorama	00:30:08	0.66%
● Report Meeting	00:56:52	1.25%
● Team Meeting	15:26:25	20.38%
● database Autogen - merge conflicts	01:47:12	2.36%
● Question Autogen - Groupby/orderBy	02:14:56	2.97%
● Expected Output Bugs	01:05:13	1.43%
● Question Autogen - bold text	01:24:43	1.86%
● Final Documentation	08:06:09	10.70%
● Question Autogen - Outer Joins	02:41:12	3.55%
● Testorama prep	03:28:25	4.59%
● Question Autogen - Anti Joins	02:17:10	3.02%
● Question Autogen - Joins	02:59:08	3.94%
● Question Improvement and Refactoring	01:43:13	2.27%
● Question Autogen - Expected Output	04:40:20	6.17%
● Design and Testing	07:07:07	9.40%
● Question Autogen	01:16:53	1.69%
● Documentation	03:03:45	4.04%
● Question Autogen - All Joins	02:34:18	3.39%
● Expected Output Bugs + Local Issues	04:29:49	5.94%
● Relax Expected Output	01:01:12	1.35%
● Question Autogen - Semi Joins	00:29:15	0.64%

User / Description	Duration
Andrei Zipis	08:55:30
Team Meeting	04:25:53
Testorama prep	03:28:25
RelaX Expected Output	01:01:12
Matthew Obirek	29:35:04
Question Autogen - Joins Abstraction	04:16:54
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docs	00:03:24
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Question Autogen - Anti Joins	02:17:10
Team Meeting	02:12:42
Question Autogen - Joins	02:59:08
Question Autogen - Expected Output	04:40:20
Question Autogen	01:16:53
Question Autogen - All Joins	02:34:18
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Nishant Srinivasan	18:08:22
Testorama	00:30:08
Report Meeting	00:56:52
Expected Output Bugs	01:05:13

Final Documentation	08:06:09
Team Meeting	03:00:11
Expected Output Bugs + Local Issues	04:29:49
Skyler A.	19:06:29
Test-o-rama Preparation	01:06:42
Team Communication & Planning	00:18:03
Team Meeting	05:47:39
Question Improvement and Refactoring	01:43:13
Design and Testing	07:07:07
Documentation	03:03:45

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