

# Milestone 5 - Dashboard

COSC 310: InstaQuiz (The Best Group)

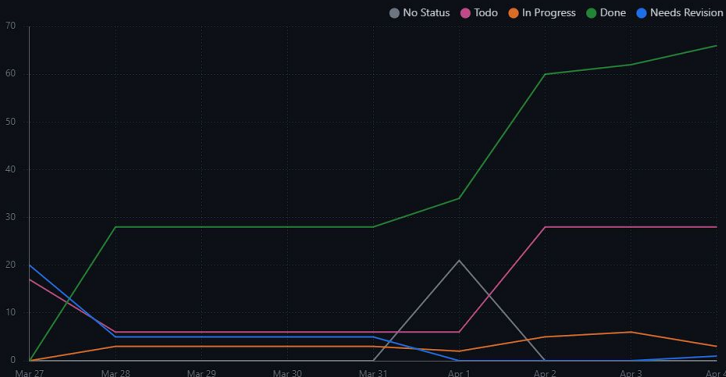
## Overall Review

Over this milestone, we decided to migrate all our work to php as that seemed to be the best language to script all our web application processes in. We originally selected Java as it was what most of us were familiar with. We realized after the last milestone that Java was our golden hammer and that trying to bridge our web application with Java was going to introduce more dependencies and the learning curve was going to be much steeper so we concluded that migrating to php while still in the early stages was best. We also dockerized our application with Apache, MySQL, and phpMyAdmin containers and wrote a ddl script to standardize the set up process of our database. We begun implementation of phpUnit to unit test our application and set up a test case script to run our tests. We then steadily created most of the php pages required for our website including, but not limited to, the home dashboard, login, register, forgot password, dashboards for students and instructors, registered courses, and enrolling in a course. We found that using session variables was the most efficient means of sending user id and user type data across web pages. This made it so that a user would only need to log in again once they have logged out regardless of the page they are on. For our next cycle, we will need to figure out how to implement CI/CD using phpUnit and Docker and automating the import of our ddl script. We also need to figure out how to implement a real-time updating mechanism for live polls, how to hash our database entries with no collisions, and the final look of our interface, especially the dashboards.

## Overall Retrospective

Similar to our last milestone, our progress and velocity has been heavily impacted by coursework and exams for this and other classes. Although we were still able to get quite a lot of work done, only some of us were able to make much progress. We all also ended up working on the same branch after the dockerization which meant many pull requests were necessary during the development process. Moving forward, we plan to branch into a CI/CD branch, front-end development branch, and back-end development branch. This will make the need to pull much less of a frequent occurrence. We will also be working on different files negating the potential merge conflicts. As the following weeks will not involve any exams for any of us, we hope to achieve a more steady velocity.

## Overall Progress Over Cycle



## Task Assignments

41	Database schema (ddl)	gangsteran	In Progress
42	Rewrite Tests to follow L...	patrickm199	Done
43	Unit Test 1.1 (PHP)		Done
44	Unit Test 1.2 (PHP)		Done
45	Unit Test 1.3 (PHP)		Done
46	Unit Test 1.4 (PHP)		Done
47	Unit Test 1.5 (PHP)		Done
48	Unit Test 1.6 (PHP)		Done
49	Unit Test 1.7 (PHP)		Done
50	Unit Test 1.8 (PHP)		Done
51	Unit Test 1.9 (PHP)		Done
52	Unit Test 1.10 (PHP)		Done
53	Unit Test 1.11 (PHP)		Done
54	Unit Test 1.12 (PHP)		Done
55	Unit Test 1.13 (PHP)		Done
56	Unit Test 1.14 (PHP)		Done
57	Unit Test 1.15 (PHP)		Done
58	Unit Test 1.16 (PHP)		Done
59	Unit Test 1.17 (PHP)		Done
60	Unit Test 1.18 (PHP)		Done
61	Unit Test 1.19 (PHP)		Done
62	Unit Test 1.20 (PHP)		Done
63	Unit Test 2.1 (PHP)		Done
64	Create Docker Compose	TannerDyck	Done
65	Implement Health Functi...		Done
66	Config file for access...	TannerDyck	Done
67	Create initial ddl script	gangsteran	Done
68	Create Login page	TannerDyck	Done
69	Create Index Page	TannerDyck	Done
70	Create Register Page	TannerDyck	Done
71	Create Header For All P...	TannerDyck	Done
72	Create Instructor Overv...	TannerDyck	Done
73	Create Student Overvie...	TannerDyck	Done
74	Update ddl to include R...	gangsteran	Done
75	Instructor Create Cours...	Reu-rok	Done
76	Student Join Course Pa...	Reu-rok	Done
77	Implement Forgot Your ...	patrickm199	Done
78	Implement a List for Co...	patrickm199	Done
79	reorganize file structu...	patrickm199	Done
80	Update tables.php to in...	TannerDyck	Done
81	Add current page title t...	TannerDyck	Done
82	Create pages/loading fil...	TannerDyck	Done
83	Student search for cour...	Reu-rok	Done
84	Student un-serial functi...	Reu-rok	Done
85	Student answers quest...	Kysson	Needs Revision
86	update tables for admin...	TannerDyck	Done
87	Update all header varia...	TannerDyck	Done
88	reformat all css into a c...	TannerDyck	Done
89	create variants for ans...	TannerDyck	Done
90	Add navigation button...	TannerDyck	Done
91	Implement page to list a...	TannerDyck	Done
92	Create Custom Polling ...	Kysson	Done
93	Update ddl so scores ta...	gangsteran	Done
94	Forgot password reem...	gangsteran	Done
95	Starter code version of ...	gangsteran	Done
96	Make Milestone 5 Dash...	patrickm199	In Progress
97	Add real questions to st...	gangsteran	Done
98	refactor forgot passwor...	patrickm199	Done