

Anthony Legg - Studio 4 Practice PDR

[Link To GitHub Repo](#)

[Link To Studio Website](#)

Evidence For Submission

What are your personal goals and objectives in addition to the course objectives?

Development of communication, leadership and stress-management skills continues to be a major goal. I think that I have improved in this area from last semester, in that I am more aware of what I am saying and how it is perceived. But there is definitely room for improvement.

What has gone well? What are your strengths?

I think the group has been verover has slowly Strengths are communication, reliability, empathy and self-motivation. The project team made a number of changes following the first sprint; placing more emphasis on working together and communicating more frequently. Despite the many challenges faced, the core team consistently worked together to overcome them and meet the clients objectives.

What could have gone better and how?

It has taken some time for the group to gel together. The first two sprints were particularly challenging because there was a tendency to avoid communicating; pushing to change this and handle the problems that arise because of it has consumed a lot of energy; this has affected my ability to document workflow processes and measure success. Communication of changes in the project need to improve as soon as possible; During the last two sprints, there has not been enough information getting added to some to the pull request, to be transferred to the QA to follow up and adjust the test suite. This disconnect is causing the test suite to be a cause of errors rather than the rest of the project. This has meant that the last two sprints have not had a functional, reliable test suite.

What are the next steps to take? What is your plan for further self-development?

Next steps are to keep actively engaging the team and pushing for more collaboration to occur. Had more of this been happening, the issues identified in sprint 1 could have been solved in sprint 2 rather than continuing into sprint 3 and possibly sprint 4. I feel that I need to take a step back from development of the code base, so that I can put more work into the product backlog, workflow processes and project automation. I am really keen to push the project automation, particularly with the GitHub and the management of deployments; Have access to a deployment monitoring application called [Sentry](#) which I would like to implement in the repo to monitor and alert us to issues. As student, we have free access to this service. Similar options are available, such as [CircleCI](#), but these have very limited education plans.

I would like to learn how to measure success, what the definition of success is, how to efficiently track progress so that the group can use this to build on.

What barriers exist? How do you plan to deal with them?

Communication is the number one barrier right now. Getting buy-in from everyone in the group has been a massive challenge. I hate being demanding, but I feel like if I'm not, then we all lose. I think getting more documentation on record will help us to not lose track during upcoming sprints.

Getting accurate information from the group is still difficult. For example, just this last week, we all approved code that was clearly broken, but was completely untested. This was in large part because we are all struggling to keep up with the workload, particularly during this lockdown. This was picked up a day or so later in the test deployment. This was a pretty big indication that there are issues with our current workflow, that don't work when we are under pressure.

From an automation perspective, I hope to make the dusk test GitHub action a requirement for every pull request to pass on both the staging and master branches. This can be done when sprint 3 code is merged to master. Having this in place will force the team pay attention when tests fail, something that we haven't had until now. As mentioned, I would like to get approval to install [Sentry](#) to the repo. A request for this was sent via email on the 4th September. This will provide status updates on deployments.

I would like to work on configuring Heroku's review app feature, this will test every pull request, by automatically deploying it to a temporary test environment and feed back the success or failure of the run.

What is not clear or is uncertain?

I'm not sure that I am doing what I need to be doing or what changes I need to put in place to ensure that the requirements for the project and the semester are met and there is sufficient evidence to prove it. Also, I have no idea who to listen to when it comes to the project backlog. Information is inconsistent and confusing, not just to me but also the others.

Learning Outcome 1

Select and apply industry-standard tools and processes to solve non-trivial problems in a team environment.

1.1 Contribute to development of new product features

1. [Pull Request #109 - Update To Jetstream Template](#)

Deployments - BLT-Studio-4/tean x Laravel x +

op-studio-testing.herokuapp.com

Apps Polytech team-delta Google Keep Moodle Otago Polytechnic G

- [Home](#)
- [New Student](#)
- [Cohort](#)
- [Evidence](#)
- [Notes](#)

Welcome

Search for names...

| Name | Email | Github |
|------|------------------------|------------------------|
| Matt | mrmattrevell@gmail.com | mrmattrevell@gmail.com |

Add Cohort

Subject:

Year:

Semester:

Students:

Stream:

| Subject | Year | Semester | Students | Stream |
|---------|------|----------|----------|--------|
|---------|------|----------|----------|--------|

App Webhooks | Heroku Dev Ce | Sentry Documentation | Sentry | Deployments - BIT-Studio-4/Team | BIT Studio Management

op-studio-testing.herokuapp.com

Google Keep Moodle Otago Polytechnic GitHub Messages for web Movies and TV Dogs N Pets Shop Sites News Ancestry.com Money Sites Python and Flask B... Build W

Students Uploads Notes Cohorts Admin-Panel Log Out Admin

Welcome Admin - Student Admin

Search for names..

| Student Name | Username | Email | Github |
|--------------|--------------------------|-------------------------|------------------------|
| Matt | | mrmattrevell@gmail.com | mrmattrevell@gmail.com |
| jim smith | | jim@gmail.com | jimmygit |
| Barry | | bazza@gmail.com | BazzaGit |
| test test | teststudenttest@test.com | | test |
| Matt Revell | afasd | unique_me17@hotmail.com | davey |

First Name
Last Name
Student Username:
Student Email:
Github Username:

ADD NEW STUDENT

1.2 Contribute to Project Deployment

- Set-Up the pipeline configuration on Heroku, linked this back to the repo at the start of the semester
 - Added the team as members

Jump to Favorites, Apps, Pipelines, Spaces...

Personal > op-studio BIT-Studio-4/team-project-2021-s2-team-delta

Pipeline Tests Access Settings

REVIEW APPS Configure + New app → STAGING + Add app → PRODUCTION + Add app

This pipeline is using the new Review Apps
Docs Give us feedback

#145 Sprint 3 qa students evidence
Create review app

op-studio-testing
Auto deploys | staging
2b8843a1 Deployed yesterday at 2:41 PM
Promote to production Open app

bit-studio-management
Auto deploys | master
983d7aeb Deployed Aug 24 at 11:50 AM
Open app

| | | |
|--|--|--|
| | | wintst1@student.op.ac.nz: Deployed <code>b79ec9a6</code> Jul 27 at 1:38 PM · v7 · Roll back to here · Compare diff |
| | | wintst1@student.op.ac.nz: Build succeeded Jul 27 at 1:38 PM · View build log |
| | | wintst1@student.op.ac.nz: Set <code>APP_DEBUG</code> config var Jul 27 at 1:35 PM · v6 · Roll back to here |
| | | wintst1@student.op.ac.nz: Set <code>APP_KEY</code> config var Jul 27 at 1:34 PM · v5 · Roll back to here |
| | | wintst1@student.op.ac.nz: Deployed <code>e050c941</code> Jul 27 at 1:31 PM · v4 · Roll back to here · Compare diff |
| | | wintst1@student.op.ac.nz: Build succeeded Jul 27 at 1:31 PM · View build log |
| | | wintst1@student.op.ac.nz: Deployed <code>0ebd78f9</code> Jul 27 at 1:28 PM · v3 · Roll back to here |
| | | wintst1@student.op.ac.nz: Build succeeded Jul 27 at 1:28 PM · View build log |
| | | leggtc1@student.op.ac.nz: Enable Logplex Jul 26 at 4:01 PM · v2 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Initial release Jul 26 at 4:01 PM · v1 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Set <code>DB_CONNECTION</code> config var Jul 27 at 4:36 PM · v9 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Set <code>APP_DEBUG</code> config var Jul 27 at 4:30 PM · v8 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Set <code>APP_NAME</code> config var Jul 27 at 4:30 PM · v7 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Set <code>APP_ENV</code> config var Jul 27 at 4:29 PM · v6 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Set <code>DB_HOST</code> config var Jul 27 at 4:29 PM · v5 · Roll back to here |
| | | leggtc1@student.op.ac.nz: @ref:postgresql-cubic-01671 completed provisioning, setting DATABASE_URL Jul 27 at 4:27 PM · v4 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Attach DATABASE (@ref:postgresql-cubic-01671) Jul 27 at 4:27 PM · v3 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Enable Logplex Jul 26 at 4:02 PM · v2 · Roll back to here |
| | | leggtc1@student.op.ac.nz: Initial release Jul 26 at 4:02 PM · v1 · Roll back to here |

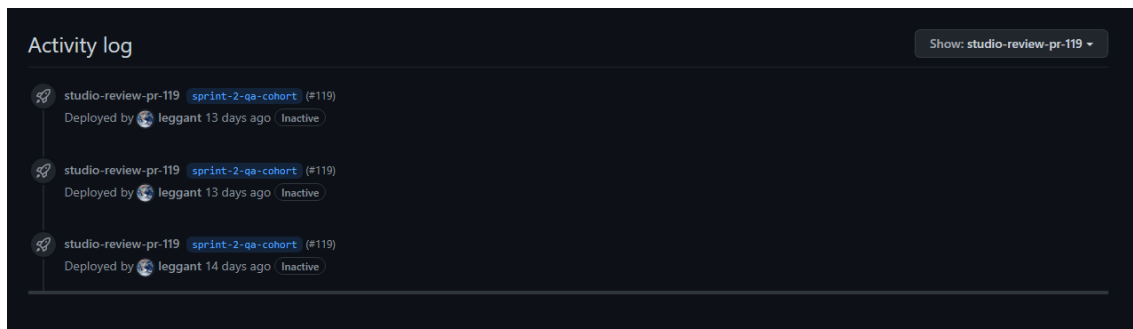
2. I have been testing a script to run deployments automatically each time a merge is added to the staging or master branch, this would have the added advantage of running migrations automatically for each deployment from staging and master branches. Currently this needs to be done manually.

- success status updates are returned to both GitHub and Teams via a webhook

3. I made a failed attempt at setting up the review app for testing purposes, the artefacts' from this are still present in the repo, I would like to get this set up and working correctly in the next sprint.

This branch was previously deployed
[Hide environments](#)

studio-review-pr-122 — `b0ab852a` Deployed 13 days ago by leggant



[Issue #104 - GitHub Action - Check Deployment](#)

[Issue #121 - Sprint 2 GitHub Deployment Actions](#)

[Issue #152 - Monitoring Deployment](#)

1.3 Contribute to CI/CD solution

- Configured the GitHub Dusk testing action
 - Work began on this in sprint 1 - is now ready to be deployed as a guard on the master and staging branches
 - also configured changes in the Laravel app settings which were preventing the Dusk test working on GitHub
 - [Pull Request #57 - Sprint 1](#)
 - [Pull Request #121 - Sprint 2](#)
 - [Pull Request #144 - Sprint 3](#)
- configured linter check GitHub action, set this so it prevents code that does not meet the standard from getting merged into the master or the staging branches.
 - At the same time I added a prettier script to run through the whole project, and fix issues with spacing and messy code blocks.

```
"hot": "mix watch --hot",
"prod": "npm run production",
"production": "mix --production",
"prettier": "@prettier/plugin-php --write **/*.{js,php,css,json,md}"
},
"devDependencies": {
```

1.4 Demonstrate improvements in applying Agile project management

- Set goals for each sprint, shared on both the [sprint project board](#) and on [milestones](#)

Sprint 1 - 28/07 - 10/08Private

Updated 12 days ago

Sprint Objectives

1. Create a working deployment
2. Secure data access
3. Develop Tests for Students and Navigation
4. Ensure Project Remains Accessible To End-User

On Completion

1. Deployed website will require the user to login
2. No student data will be accessible without the user first logging in
3. Tests will be created creating new students and for the site navigation
4. Failed tests recorded in the product backlog
5. Current site users will retain access to the test and production sites through their own credentials

What went well

1. Delivered on client requirements on time
2. provided value through protecting the clients data
3. created tests which provide consistent feedback on errors

What can be improved in the future

- Having a more agile focused mindset and workflow

What we will commit to doing next sprint

1. Use class time to work collaboratively with the team and the client
2. Provide clear descriptions of requirements in product backlog items
3. Sticking to the tasks set out in the product backlog, negotiating changes where needed

LabelsMilestonesNew milestone

3 Open2 ClosedSort

Sprint 2

Closed 6 days agoLast updated 6 days ago

100% complete0 open21 closed

EditReopenDelete

Sprint Objectives


1. Implement Tests for Student, User and Cohort
2. Implement automated database backups
 - deploy script to backup before rolling out changes to database migrations
3. Restrict Lecturer access to only students taking a studio paper(s) they are teaching
 - Create super-user admin to set lecturers to studio papers
 - test the access permissions are correct
 - data from previous intakes is not lost when the student is added to another studio cohort

Completion

1. issues with authentication and testing resolved
2. automated database backups implemented
3. user experience made more consistent throughout the app

- Respond to changes/issues

Reply



Anthony Legg (03007276)

11:29 am

- Check in on checklist items; update and add to where needed
- Go through issues list and clarify their requirements so that, we can avoid situations where one persons work is not interfering or delaying another.
 - i.e what happened with my work on the student model, migration that cut into Mitchell's work over the weekend

This requires everyone's input, if this time does not suit let me know today so we can change it.

See less

Stand Up Meeting

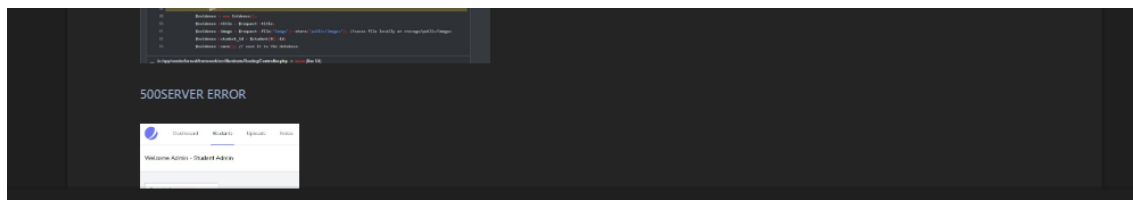
Tuesday, 17 August 2021 @ 10:30 am

...

Reply

- Consistent engagement via Teams, stand up meetings

[illegible]



- [Improved Product Backlog Information](#)
 - We are adapting the backlog so that each item in a sprint has user stories, definition of the issue, potential solutions, task list of steps needed.
- [Project Discussion Pages](#)
 - to communicate, share ideas and [resources](#)
 - [get feedback on project workflow](#) improvements - (or, I am hoping to in this case)
 - Transfer [items to the wiki](#)

The screenshot shows the GitHub Discussions interface for the repository `BIT-Studio-4 / team-project-2021-s2-team-delta`. The 'Discussions' tab is active, showing a list of discussions under the 'Development & Testing' category. The top discussion is 'Branching Guide #53' by user 'leggant', which is marked as 'Answered'. The discussion content includes a welcome message and a rule about not deleting branches.

Branching Guide #53

leggant 3 days ago Maintainer

I just wanted to quickly get some guidelines out for everyone to refer to/back to when needed. Please add suggestions if your experience has taught you a better way to handle branching. I will be keeping the wiki page dedicated to GitHub updated with your input here.

No Branch should be deleted at any stage of the project, as these form an important part of the commit history.

The Main Branch

A branch rule has been added to this which requires four code reviews to be completed before a merge is allowed to the main branch.

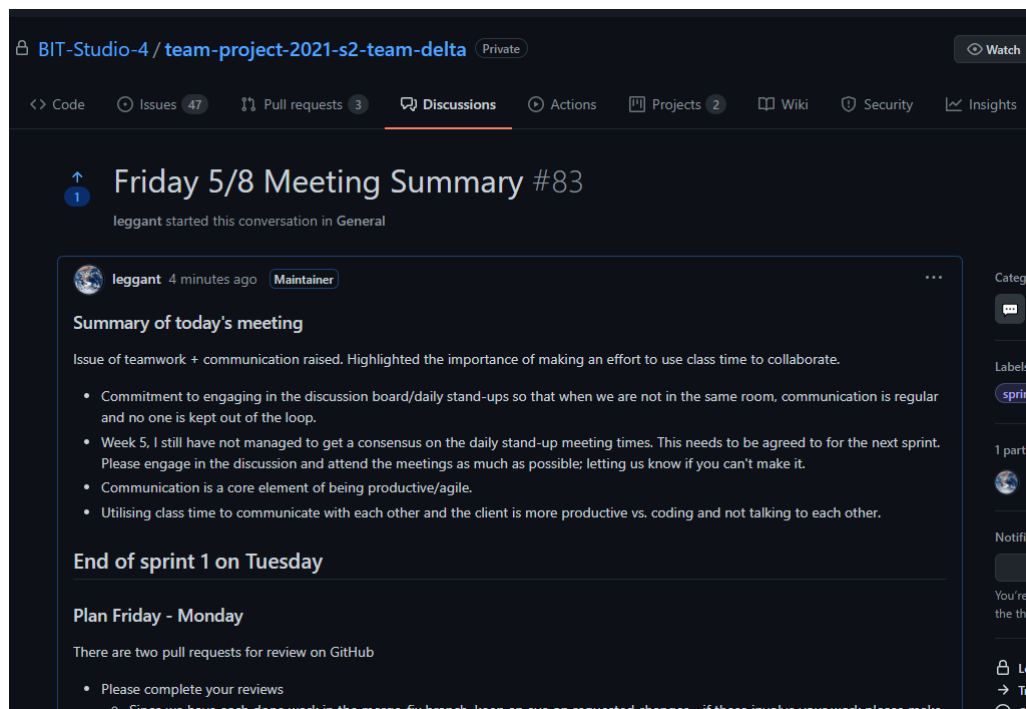
- [Project Wiki](#)
 - [Stand up Meeting Plan](#)
 - [GitHub Guide](#) - Has been Neglected
 - [Project Scrum Guide](#) - Needs to be updated
 - [Project Sprint Plan](#) - Also needs to be completed.

Failed: Addition of [Issue Forms](#) Incompatible With Private Repositories

In sprint two, I developed a couple of issue form templates ([Form 1](#) + [Form 2](#)) in a separate repo to standardise the information getting added to the issues/product backlog, and encourage everyone to provide more detailed information that would help to scope each sprint. I was unaware until it was deployed to the repos master branch that forms are not allowed in private repositories. I have included the pull request here to show that I have made an attempt to ensure that information getting added to the back log was consistent moving forward.

1.5 Use industry-standard communication and project management tools in a professional manner

[Meeting Summaries - Discussion Board](#)



Teams Channel - Stand Up Meetings

These are now occurring daily, usually on Teams.

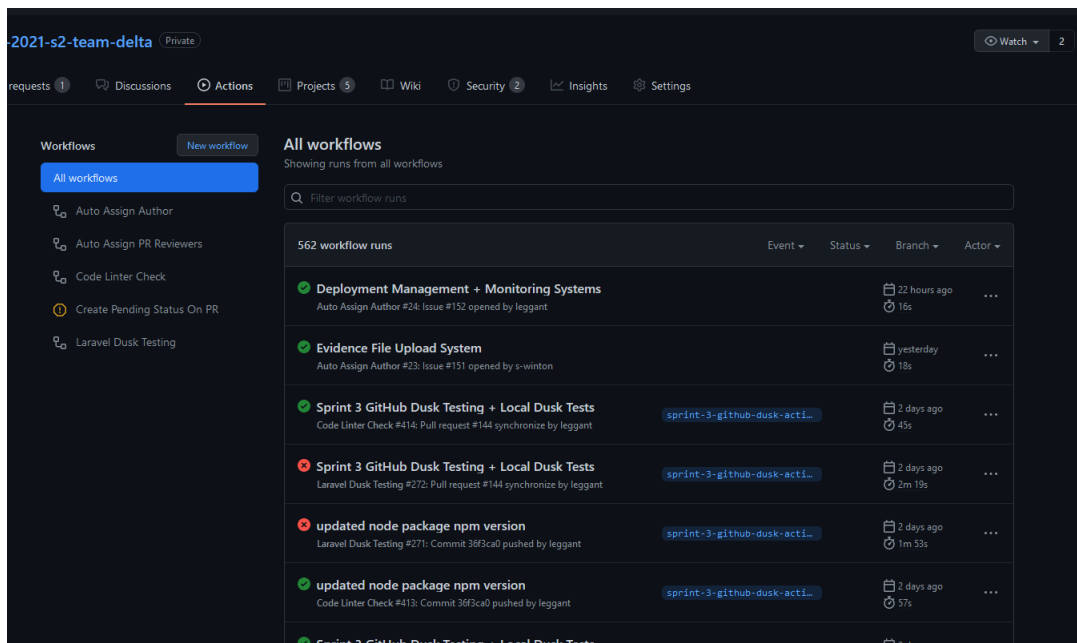
Learning Outcome 2

Analyse and manage development challenges to create production-quality outputs.

2.1 Contribute to automated test suite

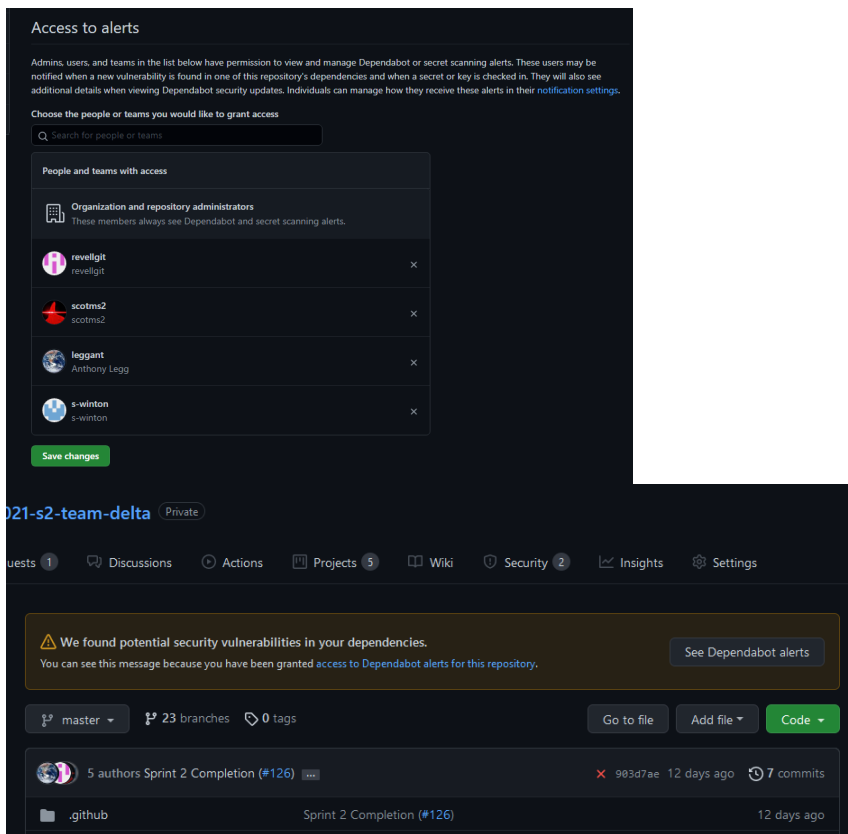
Have developed 2 fully functional tests so far.

1. [Sprint 1 - sprint-1-laravel-deployment-testing](#)
2. [Sprint 2 - sprint-2-github-deployment-actions](#)
3. [Sprint 3 - sprint-3-github-dusk-action](#)



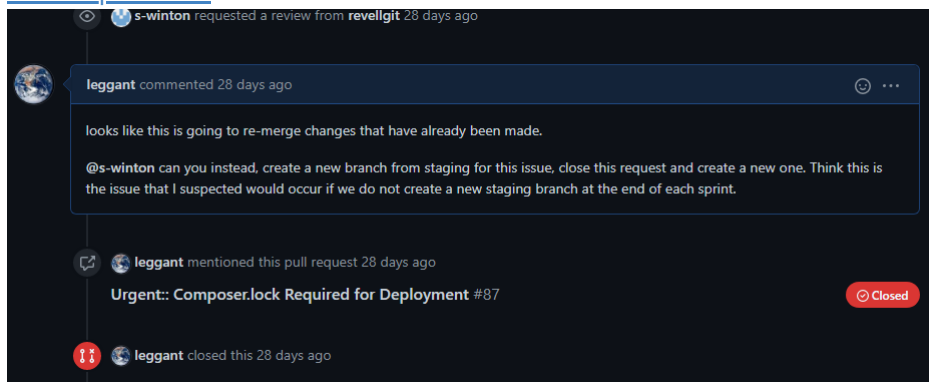
2.2 Perform a security audit to identify potential vulnerabilities

I set up Dependabot Alerts on GitHub last week, did not know this was something available to us. Writing this reminded me to add the others to get this alert. There is an alert up on there now. I'm not sure what to do with it, there is an option to automatically fix it. But this might add new issues, so I have left that off.



2.3 Participate in code/solution review to ensure high-quality outputs

1. [Pull Request #75 - Sprint 1](#)
2. [Pull Request #81 - Sprint 1](#)
3. [Pull Request #88](#)



4. [Pull Request #106](#)
5. [Pull Request #134 - Review 1 + Review 2](#)














































































Filters ▾

Labels 28

⌕ Milestones 3

New pull request

 Clear current search query, filters, and sorts

| | 1 Open | 16 Closed | Author | Label | Projects | Milestones | Reviews | Assignee | Sort |
|--|--------|-----------|--------|-------|----------|------------|---------|---|------|
|   Sprint 3 assign multiple papers  Merged Pull Request | | | | | | | 1 |  | 29 |
| #134 by scotms2 was merged 5 days ago • Approved  Sprint 3 | | | | | | | | | |
|   Sprint 2 Completion  Merged Pull Request | | | | | | | 7 |  | 10 |
| #126 by leggant was merged 12 days ago • Approved  Sprint 2 | | | | | | | | | |
|   Sprint 2 backuup migration fix  Merged Pull Request | | | | | | | |  | 1 |
| #125 by s-winton was merged 13 days ago • Approved | | | | | | | | | |
|   Sprint 2 backup migration fix  Merged Pull Request | | | | | | | |  | 2 |
| #124 by s-winton was merged 13 days ago • Approved  Sprint 2 | | | | | | | | | |
|   Admin layouts  Merged Pull Request | | | | | | | |  | 2 |
| #122 by scotms2 was merged 13 days ago • Approved | | | | | | | | | |
|   New DB structure + assigning of papers to lecturers and cohorts  Merged Pull Request | | | | | | | 1 |  | 5 |
| #120 by scotms2 was merged 14 days ago • Approved  Sprint 2 | | | | | | | | | |
|   Sprint 2 qa cohort  Merged Pull Request | | | | | | | |  | 13 |
| #119 by revellgit was merged 13 days ago • Approved  Sprint 2 | | | | | | | | | |
|   Student Controller, Model and Migration  Merged Pull Request | | | | | | | 10 |  | 15 |
| #106 by leggant was merged 13 days ago • Approved  Sprint 2 | | | | | | | | | |
|   Fix for Issue #87  completed Deployment Merged Pull Request | | | | | | | 1 |  | 2 |
| #89 by s-winton was merged 27 days ago • Approved  Sprint 1 | | | | | | | | | |
|   Sprint 1 - Deployment Request  completed Merged Pull Request | | | | | | | 3 |  | 16 |
| #86 by leggant was merged 26 days ago • Approved  Sprint 1 | | | | | | | | | |
|   Sprint 1 new user  completed Merged Pull Request | | | | | | | 1 |  | 8 |
| #81 by scotms2 was merged 29 days ago • Approved  Sprint 1 | | | | | | | | | |
|   Sprint 1 merge error fixes  completed Merged Pull Request | | | | | | | 2 |  | 8 |
| #80 by scotms2 was merged 28 days ago • Approved  Sprint 1 | | | | | | | | | |
|   Readme changes  completed Merged Pull Request | | | | | | | |  | 7 |
| #75 by s-winton was merged on 3 Aug • Approved | | | | | | | | | |
|   Sprint 1 navbar test  completed Merged Pull Request QA Testing | | | | | | | 1 |  | 3 |
| #67 by revellgit was merged on 3 Aug • Approved  Sprint 1 | | | | | | | | | |
|   Sprint 1 student view test  completed Merged Pull Request Testing | | | | | | | 1 |  | 5 |
| #63 by s-winton was merged on 3 Aug • Approved  Sprint 1 | | | | | | | | | |
|   Sprint 1 Login fix/features and js moved to separete files  completed Merged Pull Request | | | | | | | 6 |  | 4 |
| #56 by scotms2 was merged on 2 Aug • Approved  Sprint 1 | | | | | | | | | |