EDCampus

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Context, subject and goals

- Online platform of project management for teachers, students and companies.

- Bringing our contribution by :
    - Correcting reported problems
    - Adding new features

- The goal is to bring our contribution to the best of our abilities and try new technologies

Project management

- Agile Scrum Methodology :
    - 1 week Sprints
    - Sprint retrospective meeting (advancement/troubles)

- The Team:
    - Product Owner : Anthony GEOURJON
    - "Project Manager" : Lucas DREZET
    - Scrum Master : Roman REGOUIN
    - Contributors : Liam ANDRIEUX, Kévin COSOTTI, Lucas DREZET, Roman REGOUIN *(and Anthony GEOURJON)*

Tools

- Gitlab for code centralization

- Kanban Gitlab for Agile monitoring

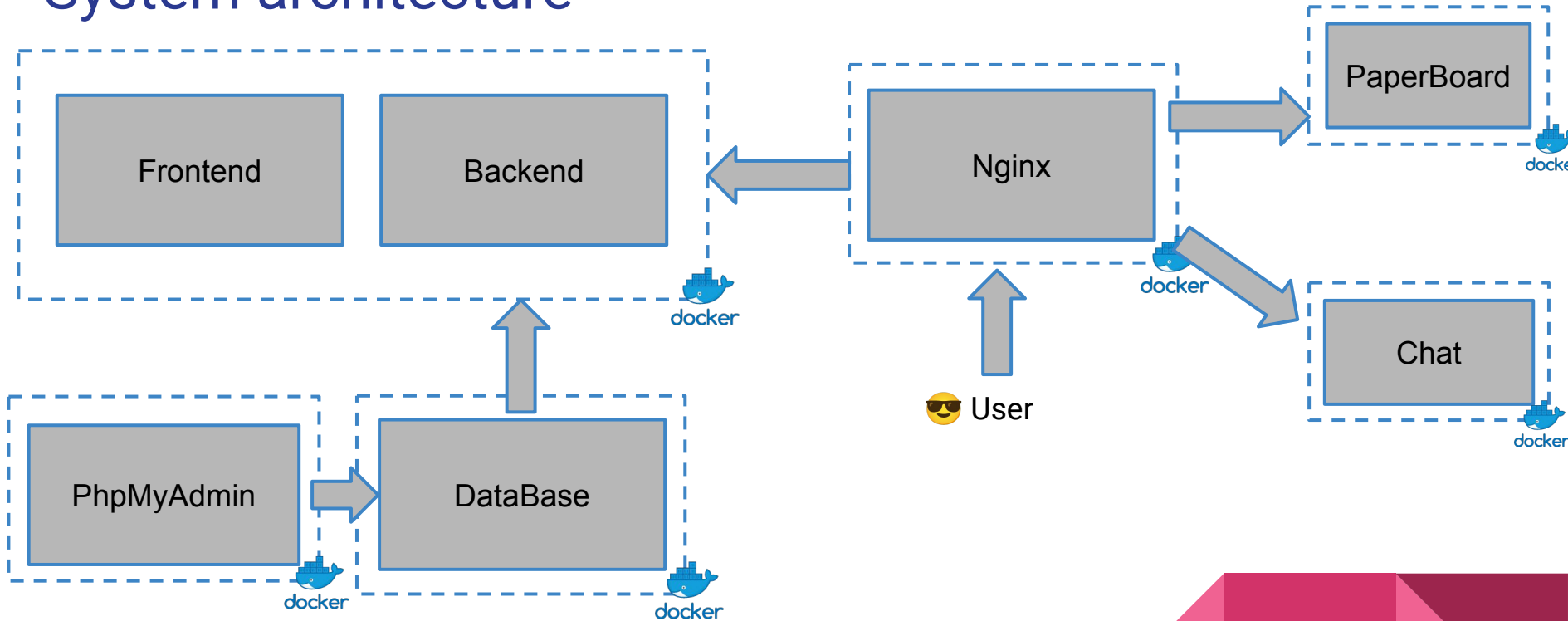- Communication: Discord and weekly reunions

Workplan

Open (82)

NextSprint (6)

Refactoring section tâche
edcampus/edcampus-front#209

Remove firebase
edcampus/edcampus-front#223

Raffraichissement du gantt
`Bug`
edcampus/edcampus-backphp#17

Supprimer toast Données invalide
edcampus/edcampus-backphp#99

Passer à l18n + nom projet à rallonge
`To Do`
edcampus/edcampus-front#231

Update BDD
edcampus/edcampus-platform#30

Good First Issue (5)

Ajout de tooltip d'information dans la popup de demande de livrables
edcampus/edcampus-front#235

Ajout de tooltip d'information dans les réglages d'un projet
edcampus/edcampus-front#217

Ajout de tooltip d'information dans les réglages avancées d'un projet
edcampus/edcampus-front#234

Optimiser l'espace de certains formulaires + vidage champ formulaire
edcampus/edcampus-front#239

Supprimer les information du volume horaire d'un portefeuille
edcampus/edcampus-backphp#100

To Do (6)

Forcer connexion cas si adresse en univ
edcampus/edcampus-backphp#97

Pouvoir forcer la connexion par CAS
edcampus/edcampus-front#226

Module evaluation non désactivable depuis les réglages
edcampus/edcampus-front#222

Reprendre formulaire création de projet
edcampus/edcampus-front#236

Améliorer affichage aide création projet et portefeuille
edcampus/edcampus-front#237

Passer à l18n + nom projet à rallonge
`NextSprint`
edcampus/edcampus-front#231

Doing (7)

Gestion groupe
edcampus/edcampus-front#225

prod Checker les droits d'user 0 200 pour des profs
`Prod`
edcampus/edcampus-platform#31

Refactoring Evalu + remove useless (matchin offer profile course)
edcampus/edcampus-front#211

Ajout d'un mécanisme de Tooltip
edcampus/edcampus-front#233

Bug Preview File
edcampus/edcampus-backphp#93

Envoyer une relance, ajouter popup confirmation
`Improvement`
edcampus/edcampus-front#89

Vue fichier + Améliorer liens externes + ergo
edcampus/edcampus-front#230

To review (5)

Ajout projet via code
edcampus/edcampus-backphp#94

Ajout de membre à un portefeuille ou un projet
`Improvement`
edcampus/edcampus-backphp#28

Bug envoi mail à l'équipe + formatage mail via HTML
edcampus/edcampus-front#229

Ajout projet via code
edcampus/edcampus-front#220

Reprendre le formulaire de création de portefeuille
edcampus/edcampus-front#216

Bug critique (2)

Closed (275)

System architecture

Frontend

Backend

Nginx

PaperBoard

PhpMyAdmin

DataBase

😎 User

Chat

docker
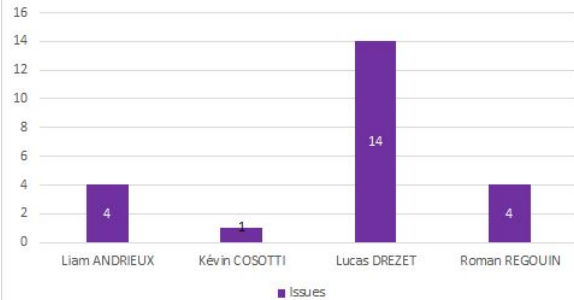
docker

docker

docker

docker

docker

Technologies

Technical achievement
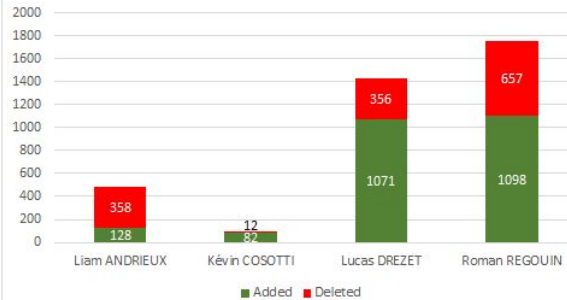
- 23 issues
- +4 bugs fixed(file preview, toast…)
- 5 added features(WYSIWYG editor, search in documents…)
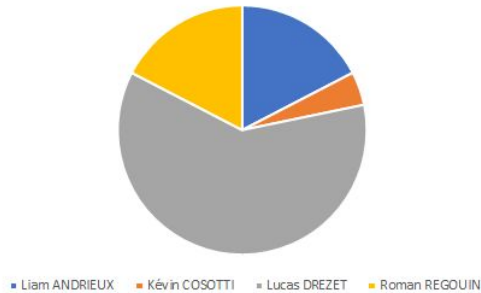- 7 upgrades(forms, confirmation popup before sending mails…)
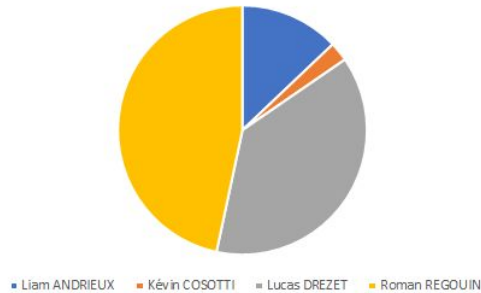
Distribution

Amount of issues per person

Added and deleted lines per person

Percentage of completed issues

Percentage of modified lines

	Liam ANDRIEUX	Kévin COSOTTI	Lucas DREZET	Roman REGOUIN	Total
Ajoutées	128	82	1071	1098	2379
Supprimées	358	12	356	657	1383
Total	486	94	1427	1755	3762
Pourcentage	0,129186603	0,024986709	0,379319511	0,466507177	1
Issues	4	1	14	4	23
Pourcentage	0,173913043	0,043478261	0,608695652	0,173913043	1
Commit	9	1	44	36	90
Pourcentage	0,1	0,011111111	0,488888889	0,4	1

Project cost

Results

Software Development (Elaboration and Construction)

Effort = 7.6 Person-months
Schedule = 7.0 Months
Cost = $43137

Software Labor Rates
Cost per Person-Month (Dollars) 5657

Total Equivalent Size = 2379 SLOC
Effort Adjustment Factor (EAF) = 1.00

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.5	0.9	0.5	$2588
Elaboration	1.8	2.6	0.7	$10353
Construction	5.8	4.4	1.3	$32784
Transition	0.9	0.9	1.0	$5176

Conclusion - Encountered difficulties

- Poorly documented code ;
- Setting of a Backend debugger on WSL (Windows Subsystem Linux) ;
- Installation problem and slow connection which greatly impacted the backend development with debugger ;
- Composer problem for some packages (still unexplained) ;
- Lack of motivation for some members ;
- ECOM Project at the same time (compared to other years).

Conclusion - Personal contribution

- Learning of new technologies ;
- Satisfaction of having been able to bring our help to a concrete and sustainable project ;
- Acquired skills : review of existing code created by other people, mastery of a new IDE and debugging environment.
- Example of a real project and not an academic one: the code is not perfectly clean and we don't start from scratch.

Conclusion - Future

- Implement functional CI/CD , coding rules, add some more documentation for the code ;
- Some parts of the project are too hard to maintain as is or are not used anymore, thus restarting something from scratch would be simpler ;
- Assess the application : obsolete code, used, not documented and maybe have a person working full-time to update the application, even if it means pausing the development and/or the use of some features.

Demonstration

Sending mails: send mails when adding a member to a project and to a portfolio; when sending a message to the members of a project/portfolio.

File preview: preview of the files whose format is taken into account (PNG, xlsx, pdf) and not taken into account.

Search in the Files section: use the search bar in the Files section of projects and/or portfolios to search for links, files and folders.

Annex

Percentage of commits

- Liam ANDRIEUX
- Kévin COSOTTI
- Lucas DREZET
- Roman REGOUIN