



Chamada Inteligente

Realizado por:

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Tópicos

- Ferramentas
- Testes
- Monitoramento e Controle
- Demo



Ferramentas

GitHub como ferramenta de controle de versionamento

<https://github.com/orgs/Engenharia-de-Software-II-2023-2>

Jira como ferramenta de controle de mudanças e gestão de projeto

<https://es2uff2023-2.atlassian.net/jira/software/projects/CU/boards/1>





Ferramentas

Github actions para integração contínua

Azure para hospedagem

Swagger para documentação da API



GitHub Actions





Ferramentas

GitHub

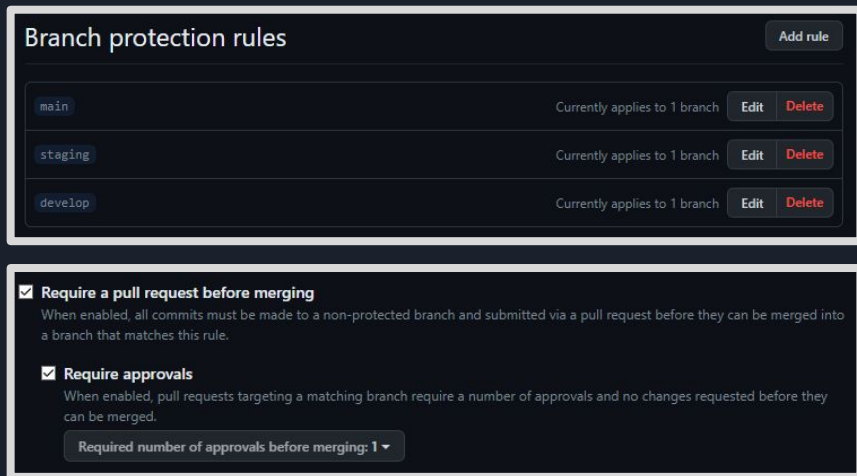
Foram criados repositórios distintos para o frontend e o backend

<https://github.com/Engenharia-de-Software-II-2023-2/chamada-uff-api>

<https://github.com/Engenharia-de-Software-II-2023-2/chamada-uff-front>

Os repositórios possuem três *branches* principais: *main*, *staging* e *develop*

Regras de proteção para necessidade de revisão de pull requests



The screenshot shows the 'Branch protection rules' interface in GitHub. At the top, there's a title 'Branch protection rules' and an 'Add rule' button. Below this, there's a table listing three branches: 'main', 'staging', and 'develop'. Each branch has a status 'Currently applies to 1 branch' and buttons for 'Edit' and 'Delete'. Below the table, there are two checked checkboxes: 'Require a pull request before merging' and 'Require approvals'. The 'Require approvals' checkbox has a dropdown menu showing 'Required number of approvals before merging: 1'.

Branch	Status	Actions
main	Currently applies to 1 branch	Edit Delete
staging	Currently applies to 1 branch	Edit Delete
develop	Currently applies to 1 branch	Edit Delete

☒ **Require a pull request before merging**
When enabled, all commits must be made to a non-protected branch and submitted via a pull request before they can be merged into a branch that matches this rule.

☒ **Require approvals**
When enabled, pull requests targeting a matching branch require a number of approvals and no changes requested before they can be merged.

Required number of approvals before merging: 1 ▼

Ferramentas

GitHub Actions

The screenshot shows the GitHub Actions interface for a repository named 'Engenharia-de-Software-II-2023-2' and a workflow named 'chamada-uff-api'. The workflow is triggered by a push to the 'develop' branch. The run is successful, with a status of 'Success' and a total duration of 1m 56s. The workflow consists of two jobs: 'build' and 'deploy'. The 'build' job is triggered by the push and runs for 47s. The 'deploy' job is triggered by the 'build' job and runs for 44s. The 'deploy' job uses the 'actions/checkout@v2' action and the 'actions/setup-java@v1' action. The 'deploy' job also uses the 'actions/upload-artifact@v2' action. The 'deploy' job is triggered by the 'build' job and runs for 44s. The 'deploy' job uses the 'actions/checkout@v2' action and the 'actions/setup-java@v1' action. The 'deploy' job also uses the 'actions/upload-artifact@v2' action. The 'deploy' job is triggered by the 'build' job and runs for 44s. The 'deploy' job uses the 'actions/checkout@v2' action and the 'actions/setup-java@v1' action. The 'deploy' job also uses the 'actions/upload-artifact@v2' action.

Engenharia-de-Software-II-2023-2 / chamada-uff-api

Code Issues Pull requests Actions Projects Security Insights Settings

Build and deploy JAR app to Azure Web App - engsoft2grupo3api

Merge pull request #22 from Engenharia-de-Software-II-2023-2/f1 #14

Summary

Jobs

- build
- deploy

Run details

- Usage
- Workflow file

Triggered via push 2 days ago

renatohmc pushed -> 2536d9 develop

Status Success

Total duration 1m 56s

Artifacts 1

develop_engsoft2grupo3api.yml

on: push

build 47s

deploy 44s

Annotations

2 warnings

build

The following actions uses model2 which is deprecated and will be forced to run on model1: actions/checkout@v2, actions/setup-java@v1, actions/upload-artifact@v2. For more info: <https://github.blog/changelog/2023-06-13-github-actions-all-actions-will-run-on-new-model1/>

deploy

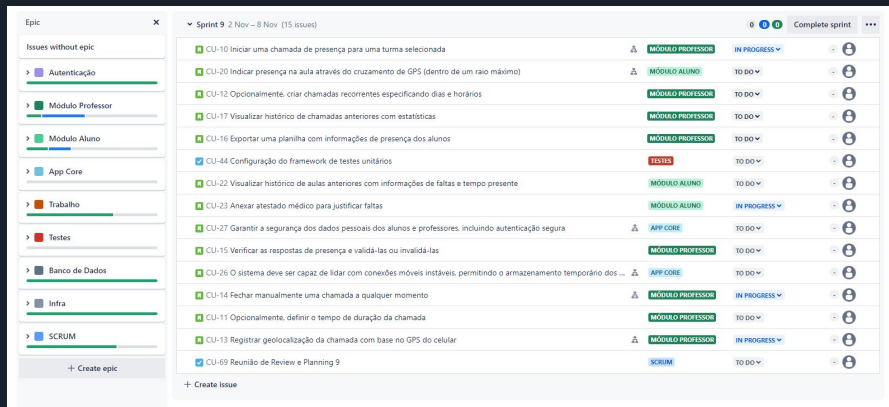
The following actions uses model2 which is deprecated and will be forced to run on model1: actions/download-artifact@v2. For more info: <https://github.blog/changelog/2023-06-13-github-actions-all-actions-will-run-on-new-model1/>

Artifacts

Produced during runtime

Ferramentas

Jira, Azure e Swagger



Issues without epic

- Autenticação
- Módulo Professor
- Módulo Aluno
- App Core
- Trabalho
- Testes
- Banco de Dados
- Infra
- SCRUM

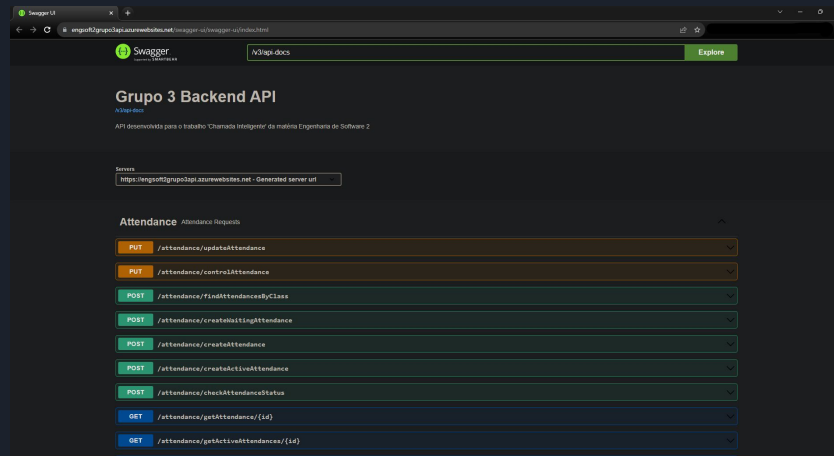
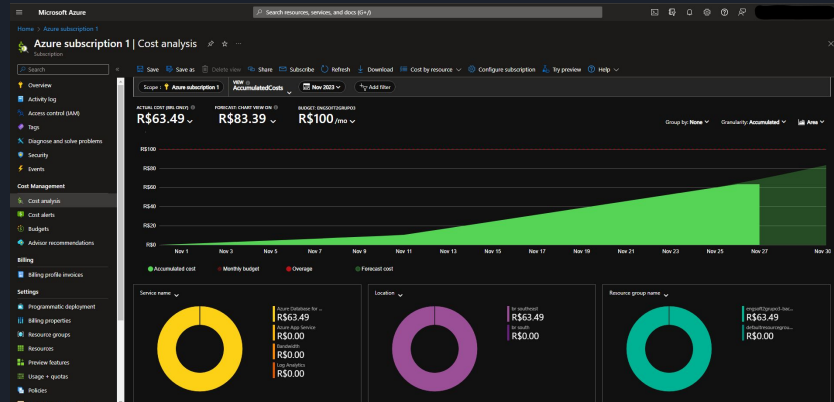
+ Create epic

Sprint 9 2 Nov - 8 Nov (15 issues)

Complete sprint

Issue	Assignee	Status
CU-10 Iniciar uma chamada de presença para uma turma selecionada	MÓDULO PROFESSOR	IN PROGRESS
CU-20 Indicar presença na aula através do cruzamento de GPS (dentro de um raio máximo)	MÓDULO ALUNO	TO DO
CU-12 Opcionalmente, criar chamadas recorrentes especificando dias e horários	MÓDULO PROFESSOR	TO DO
CU-17 Visualizar histórico de chamadas anteriores com estatísticas	MÓDULO PROFESSOR	TO DO
CU-16 Exportar uma planilha com informações de presença dos alunos	MÓDULO PROFESSOR	TO DO
CU-44 Configuração do framework de testes unitários	TESTES	TO DO
CU-22 Visualizar histórico de aulas anteriores com informações de faltas e tempo presente	MÓDULO ALUNO	TO DO
CU-23 Anexar atestado médico para justificar faltas	MÓDULO ALUNO	IN PROGRESS
CU-27 Garantir a segurança dos dados pessoais dos alunos e professores, incluindo autenticação segura	APP CORE	TO DO
CU-15 Verificar as respostas de presença e validá-las ou invalidá-las	MÓDULO PROFESSOR	TO DO
CU-26 O sistema deve ser capaz de lidar com conexões móveis instáveis, permitindo o armazenamento temporário dos ...	APP CORE	TO DO
CU-14 Fechar manualmente uma chamada a qualquer momento	MÓDULO PROFESSOR	IN PROGRESS
CU-11 Opcionalmente, definir o tempo de duração da chamada	MÓDULO PROFESSOR	TO DO
CU-13 Registrar geolocalização da chamada com base no GPS do celular	MÓDULO PROFESSOR	IN PROGRESS
CU-69 Reunião de Review e Planning 9	SCRUM	TO DO

+ Create issue



Swagger UI

empoli3grupo3api.azurewebsites.net/swagger-ui/index.html

Swagger

API docs

Explore

Grupo 3 Backend API

API desenvolvida para o Trabalho "Chamada Inteligente" da matéria Engenharia de Software 2

Access

https://empoli3grupo3api.azurewebsites.net - Generated server url

Attendance Attendance Requests

- PUT /attendance/updateAttendance
- PUT /attendance/controlAttendance
- POST /attendance/findAttendanceByClass
- POST /attendance/createWaitingAttendance
- POST /attendance/createAttendance
- POST /attendance/createActiveAttendance
- POST /attendance/checkAttendanceStatus
- GET /attendance/getAttendance/{Id}
- GET /attendance/getActiveAttendances/{Id}

Testes

uff_chamada

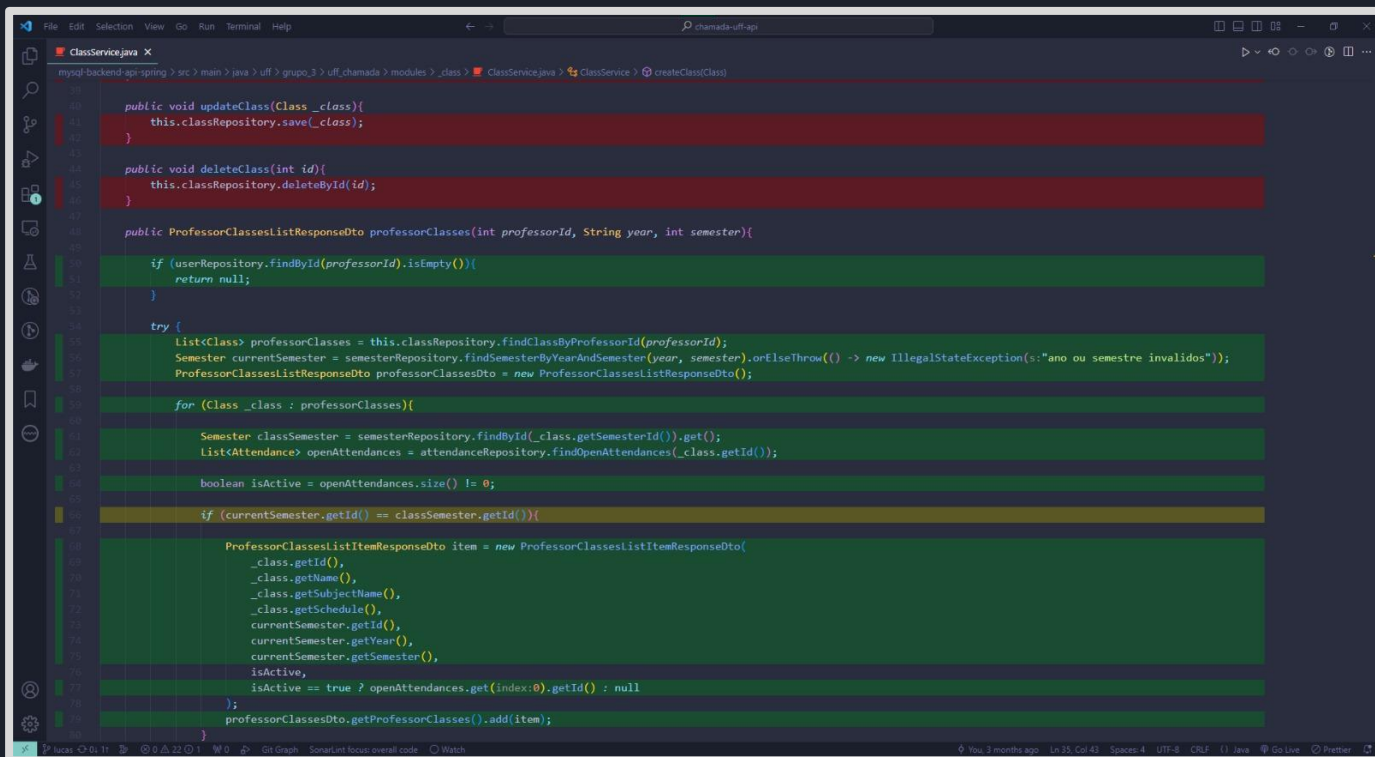
uff_chamada

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes	
uff_grupo_3.uff_chamada.modules.enrollment.dto.response	<div></div>	0%	<div></div>	0%	121	121	31	31	58	58	4	4	
uff_grupo_3.uff_chamada.modules.attendance	<div></div>	12%	<div></div>	0%	78	90	84	101	37	49	0	4	
uff_grupo_3.uff_chamada.modules.response	<div></div>	4%	<div></div>	0%	59	62	70	80	33	36	0	3	
uff_grupo_3.uff_chamada.modules._class.dto.response	<div></div>	7%	<div></div>	0%	75	78	16	21	33	36	1	3	
uff_grupo_3.uff_chamada.modules.enrollment	<div></div>	6%	<div></div>	0%	46	49	66	78	26	29	0	3	
uff_grupo_3.uff_chamada.modules.attendance.dto.request	<div></div>	0%	<div></div>	0%	65	65	13	13	38	38	4	4	
uff_grupo_3.uff_chamada.modules.user	<div></div>	10%	<div></div>	0%	55	65	40	47	30	40	0	4	
uff_grupo_3.uff_chamada.modules.attendance.dto.response	<div></div>	2%	<div></div>	0%	55	57	17	19	27	29	3	4	
uff_grupo_3.uff_chamada.modules.justification	<div></div>	5%	<div></div>	0%	40	43	20	27	25	28	0	3	
uff_grupo_3.uff_chamada.modules._class	<div></div>	45%	<div></div>	18%	33	56	18	60	13	32	0	3	
uff_grupo_3.uff_chamada.modules.enrollment.dto.request	<div></div>	0%	<div></div>	0%	34	34	7	7	20	20	2	2	
uff_grupo_3.uff_chamada.modules.response.DTO.response	<div></div>	0%	<div></div>	0%	24	24	6	6	13	13	1	1	
uff_grupo_3.uff_chamada.modules.semester	<div></div>	19%	<div></div>	0%	22	31	14	24	13	22	0	3	
uff_grupo_3.uff_chamada.auth.dto.response	<div></div>	0%	<div></div>	0%	23	23	9	9	11	11	1	1	
uff_grupo_3.uff_chamada.auth.dto.request	<div></div>	0%	<div></div>	0%	24	24	4	4	13	13	2	2	
uff_grupo_3.uff_chamada.modules._class.dto.request	<div></div>	0%	<div></div>	0%	24	24	5	5	15	15	2	2	
uff_grupo_3.uff_chamada.config	<div></div>	48%	<div></div>	0%	7	16	30	46	5	14	0	3	
uff_grupo_3.uff_chamada.modules.response.DTO.request	<div></div>	0%	<div></div>	0%	14	14	3	3	9	9	1	1	
uff_grupo_3.uff_chamada.auth	<div></div>	7%	<div></div>	0%	4	6	16	18	3	5	0	2	
uff_grupo_3.uff_chamada		37%		n/a	1	2	2	3	1	2	0	1	
Total		5.755 of 6.350	9%	761 of 770	1%	804	884	471	602	423	499	21	53

Testes

```
25.     this.classRepository = classRepository;
26.     this.semesterRepository = semesterRepository;
27.     this.userRepository = userRepository;
28.     this.attendanceRepository = attendanceRepository;
29. }
30.
31. public Class getClass(int id){
32.     return this.classRepository.findById(id).orElseThrow(() -> new IllegalStateException("classe de id " + id + " não existe"));
33. }
34.
35. public void createClass(Class _class){
36.     this.classRepository.save(_class);
37.     // this.classRepository.saveClass(_class.getId(), _class.getName(), _class.getProfessorId(), _class.getSemesterId());
38. }
39.
40. public void updateClass(Class _class){
41.     this.classRepository.save(_class);
42. }
43.
44. public void deleteClass(int id){
45.     this.classRepository.deleteById(id);
46. }
47.
48. public ProfessorClassesListResponseDto professorClasses(int professorId, String year, int semester){
49.
50.     if (userRepository.findById(professorId).isEmpty()){
51.         return null;
52.     }
53.
54.     try {
55.         List<Class> professorClasses = this.classRepository.findClassByProfessorId(professorId);
56.         Semester currentSemester = semesterRepository.findSemesterByYearAndSemester(year, semester).orElseThrow(() -> new IllegalStateException("ano ou semestre invalidos"));
57.         ProfessorClassesListResponseDto professorClassesDto = new ProfessorClassesListResponseDto();
58.
59.         for (Class _class : professorClasses){
60.
61.             Semester classSemester = semesterRepository.findById(_class.getSemesterId()).get();
62.             List<Attendance> openAttendances = attendanceRepository.findOpenAttendances(_class.getId());
63.
64.             boolean isActive = openAttendances.size() != 0;
65.
66.             if (currentSemester.getId() == classSemester.getId()){
67.
68.                 ProfessorClassesListItemResponseDto item = new ProfessorClassesListItemResponseDto(
69.                     _class.getId(),
70.                     _class.getName(),
71.                     _class.getSubjectName(),
72.                     _class.getSchedule(),
73.                     currentSemester.getId(),
74.                     currentSemester.getYear(),
75.                     currentSemester.getSemester(),
76.                     isActive,
77.                     isActive == true ? openAttendances.get(0).getId() : null
78.                 );
79.                 professorClassesDto.addItem(item);
80.             }
81.         }
82.     } catch (Exception e) {
83.         return null;
84.     }
85.     return professorClassesDto;
86. }
```

Testes



```
File Edit Selection View Go Run Terminal Help
chamada-uff-ap

ClassService.java x
mysql-backend-api-spring > src > main > java > uff > grupo_3 > uff.chamada > modules > _class > ClassService.java > ClassService > createClass(Class)

    public void updateClass(Class _class){
        this.classRepository.save(_class);
    }

    public void deleteClass(int id){
        this.classRepository.deleteById(id);
    }

    public ProfessorClassesListResponseDto professorClasses(int professorId, String year, int semester){
        if (userRepository.findById(professorId).isEmpty()){
            return null;
        }

        try {
            List<Class> professorClasses = this.classRepository.findClassByProfessorId(professorId);
            Semester currentSemester = semesterRepository.findSemesterByYearAndSemester(year, semester).orElseThrow(() -> new IllegalArgumentException("ano ou semestre invalidos"));
            ProfessorClassesListResponseDto professorClassesDto = new ProfessorClassesListResponseDto();

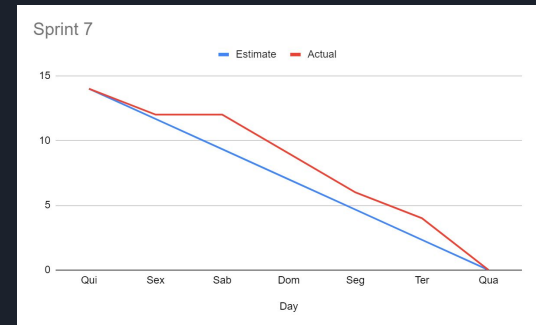
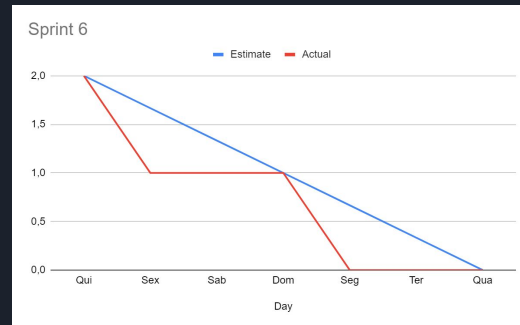
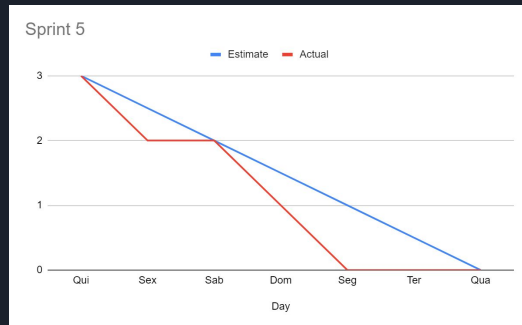
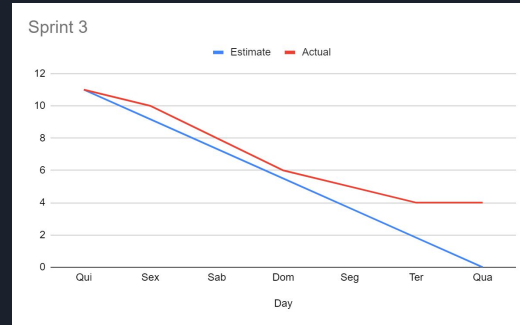
            for (Class _class : professorClasses){
                Semester classSemester = semesterRepository.findById(_class.getSemesterId()).get();
                List<Attendance> openAttendances = attendanceRepository.findOpenAttendances(_class.getId());

                boolean isActive = openAttendances.size() != 0;

                if (currentSemester.getId() == classSemester.getId()){
                    ProfessorClassesListItemResponseDto item = new ProfessorClassesListItemResponseDto(
                        _class.getId(),
                        _class.getName(),
                        _class.getSubjectName(),
                        _class.getSchedule(),
                        currentSemester.getId(),
                        currentSemester.getYear(),
                        currentSemester.getSemester(),
                        isActive,
                        isActive == true ? openAttendances.get(index:0).getId() : null
                    );
                    professorClassesDto.getProfessorClasses().add(item);
                }
            }
        }
    }
}
```

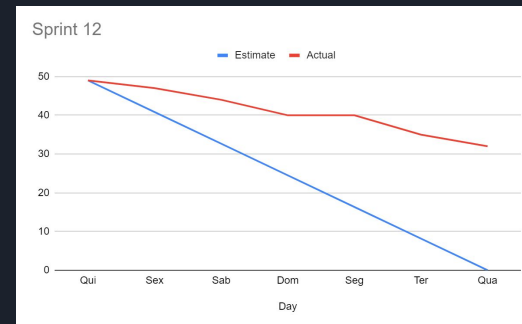
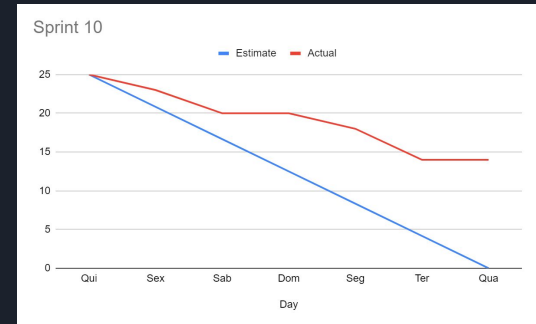
Monitoramento e Controle

Burndown



Monitoramento e Controle

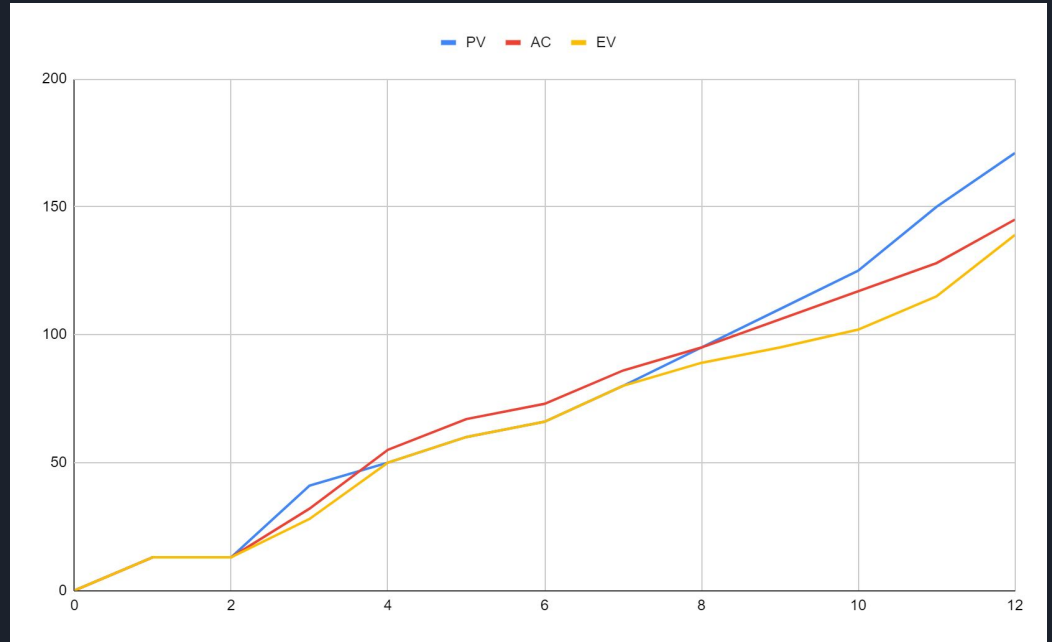
Burndown



Monitoramento e Controle


Análise de Valor Agregado

Sprint	PV	AC	EV	SPI	CPI
0	0	0	0	-	-
1	13	13	13	1,00	1,00
2	13	13	13	1,00	1,00
3	41	32	28	0,68	0,88
4	50	55	50	1,00	0,91
5	60	67	60	1,00	0,90
6	66	73	66	1,00	0,90
7	80	86	80	1,00	0,93
8	95	95	89	0,94	0,94
9	110	106	95	0,86	0,90
10	125	117	102	0,82	0,87
11	150	128	115	0,77	0,90
12	171	145	139	0,81	0,96



Backlog

▼ Backlog (10 issues)

- CU-23 Anexar atestado médico para justificar faltas
- CU-22 Visualizar histórico de aulas anteriores com informações de faltas e tempo presente
- CU-16 Exportar uma planilha com informações de presença dos alunos
- ☒ CU-44 Realização dos Testes
- CU-19 Receber notificações sobre chamadas em aberto em sua localidade
- CU-21 Solicitar indicação automática de presença quando estiver em uma zona de chamada ativa
- CU-12 Opcionalmente, criar chamadas recorrentes especificando dias e horários
- CU-17 Visualizar histórico de chamadas anteriores com estatísticas
- CU-26 O sistema deve ser capaz de lidar com conexões móveis instáveis, permitindo o armazenamento... 
- CU-11 Opcionalmente, definir o tempo de duração da chamada

Demo

