

SPRINT D LAPR4 PROJECT

June 2022

Client presentation

Tiago Marques 1201276

Eduardo Silva 1201371

Pedro Alves 1201381

Pedro Fernandes 1201384

Presentation content

- ◆ Results achieved
- ◆ Critical analysis of results and teamwork
- ◆ Evidence of applying the software engineering /development process
- ◆ Deployment scenario of the solution
- ◆ Quality of the final product
- ◆ Suggestions of improvement
- ◆ Students' self-assessments
- ◆ Other theoretical aspects

Results achieved



All requested features
implemented and functional



Extra features also
implemented

Critical analysis of results and teamwork

Strengths

Documentation

Communication
between team
members

Project structure

S

Weaknesses

Inline code
documentation

W

Opportunities

Acquisition of
knowledge

Great demand for
products of this
type

O

Threats

Prices inflation
caused by products
scarcity

T

Evidence of applying the software engineering /development process

Creating User Stories
in Jira

Using bitbucket

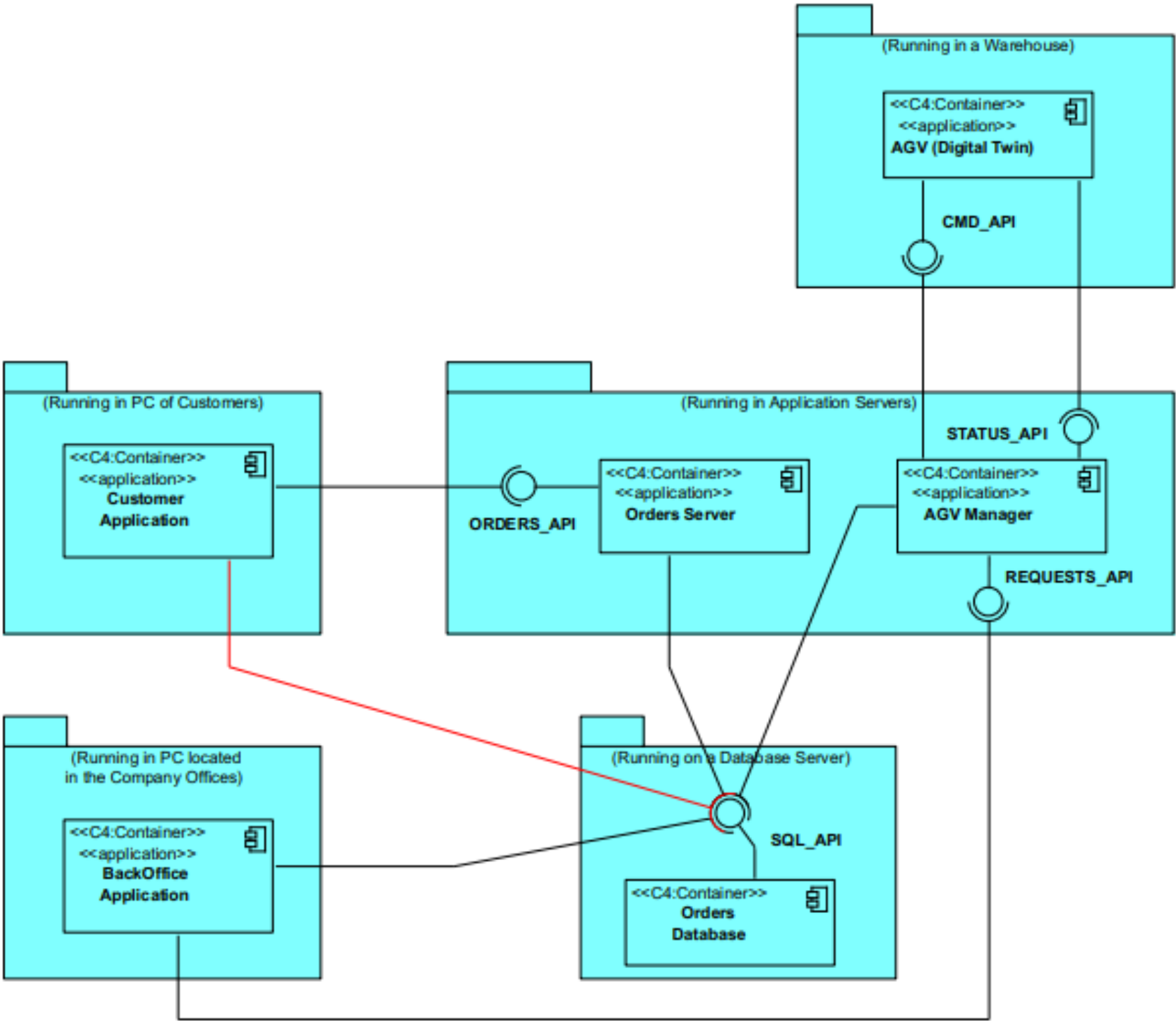
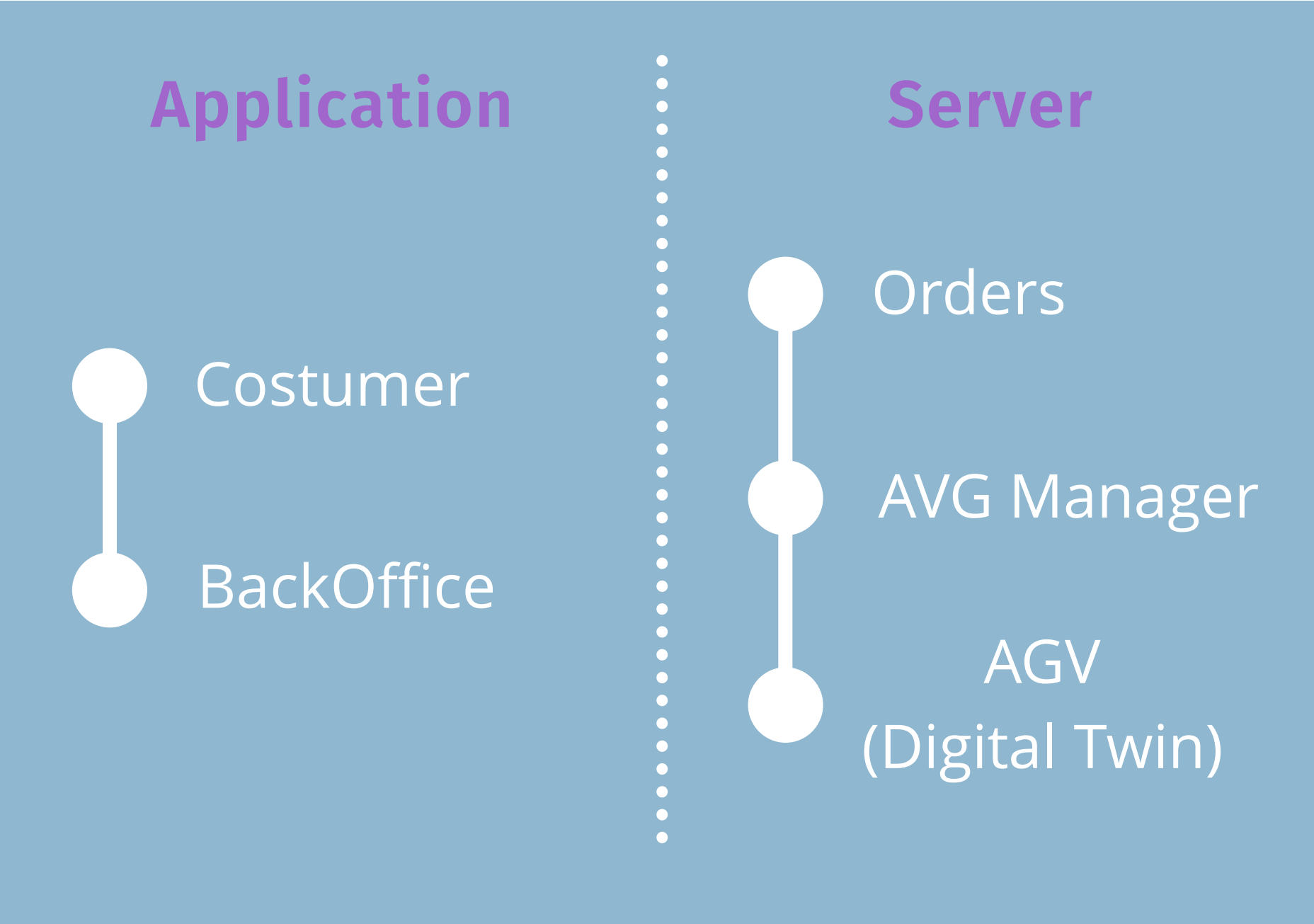
Unitary
commits

User Stories
documentation

Evidence of applying the software engineering /development process

Title ▾	T	P	Status	Votes	Assignee
#40: Adding new features to shopping cart	⬆	⬆	CLOSED		Pedro Fernandes
#39: Certificates	✓	⬆	CLOSED		Tiago Gonçalves
#38: 1902: I want the communications made through the SPOMS2022 protocol to be secured/protected.	✓	⬇	CLOSED		Tiago Gonçalves
#37: 1502: As Customer, I want to view/check the status of my open orders.	✓	⬇	CLOSED		Pedro Maia Marti
#36: 2006: I want the communications made through the SPOMS2022 protocol to be secured/protected.	✓	⬇	CLOSED		Eduardo Moreira
#35: 1006: I want to access a list of orders that had been dispatched for customer delivery and be able to update some of those orders (delivered).	✓	⬇	CLOSED		Pedro Fernandes
#34: 9002: I want the team (software supplier) to prepare a presentation.	✓	⬆	CLOSED		Pedro Maia Marti
#33: 5100: I want that the team to develop and integrate the others components/parts of the AGV digital twin.	✓	⬆	CLOSED		Eduardo Moreira
#32: 5004: I want the output communications made through the SPOMS2022 protocol to be secured/protected.	✓	⬆	CLOSED		Tiago Gonçalves
#31: 5003: I want the input communication made through the SPOMS2022 protocol to be secured/protected.	✓	⬆	CLOSED		Eduardo Moreira
#30: 4003: I want the communications made through the SPOMS2022 protocol to be secured/protected.	✓	⬆	CLOSED		Tiago Gonçalves
#29: 3501: I want to get the list of questionnaires that the system is asking me to answer and be able to answer any of those questionnaires.	✓	⬆	CLOSED		Pedro Maia Marti
#28: 3002: I want to get a statistical report regarding a previously set up questionnaire	✓	⬆	CLOSED		Pedro Fernandes
#10: 1900: System being initialized (bootstrap) with some information	✓	⬆	CLOSED		Eduardo Moreira
#2: Planning	✓	⬆	CLOSED		Pedro Maia Marti

Deployment scenario of the solution



Quality of the final product



Suggestions of improvement

Graphical UI

Although not in the project requirements, we thought it would be a good improvement to develop a graphical interface.

Inline commentaries

As mentioned before, we think that one of the aspects that we could improve would be the inline comments of the code.

Students' self-assessment

Technical skills

		ANTLR	Java	Servers communication	JPA	Documentation	Tests
Tiago Marques	Before	1	4	1	1	4	4
	After	4	4	5	5	4	5
Eduardo Silva	Before	1	4	1	1	4	4
	After	4	4	5	5	4	5
Pedro Alves	Before	1	4	1	1	4	4
	After	5	4	4	5	4	5
Pedro Fernandes	Before	1	4	1	1	4	4
	After	4	4	4	5	5	5

Students' self-assessment

Behavioral skills

		Team work	Conflict management	Leadership	Autonomy	Self-criticism
Tiago Marques	Before	4	4	3	4	4
	After	5	5	4	5	4
Eduardo Silva	Before	4	4	3	4	4
	After	5	5	4	5	4
Pedro Alves	Before	4	4	3	3	4
	After	5	5	4	5	4
Pedro Fernandes	Before	4	4	3	3	4
	After	5	5	4	5	4

LAPR4 *skills*



Rotative leadership

**Each sprint (from 3 to 3 weeks),
we changed our leader. We
adopted this method so each
member of the team could
improve his leadership skills.**

Leadership focus



Transformational

Personal attention to each member of the team

Encourages pride, earns respect and confidence in team members

Raises team expectations



Transactional



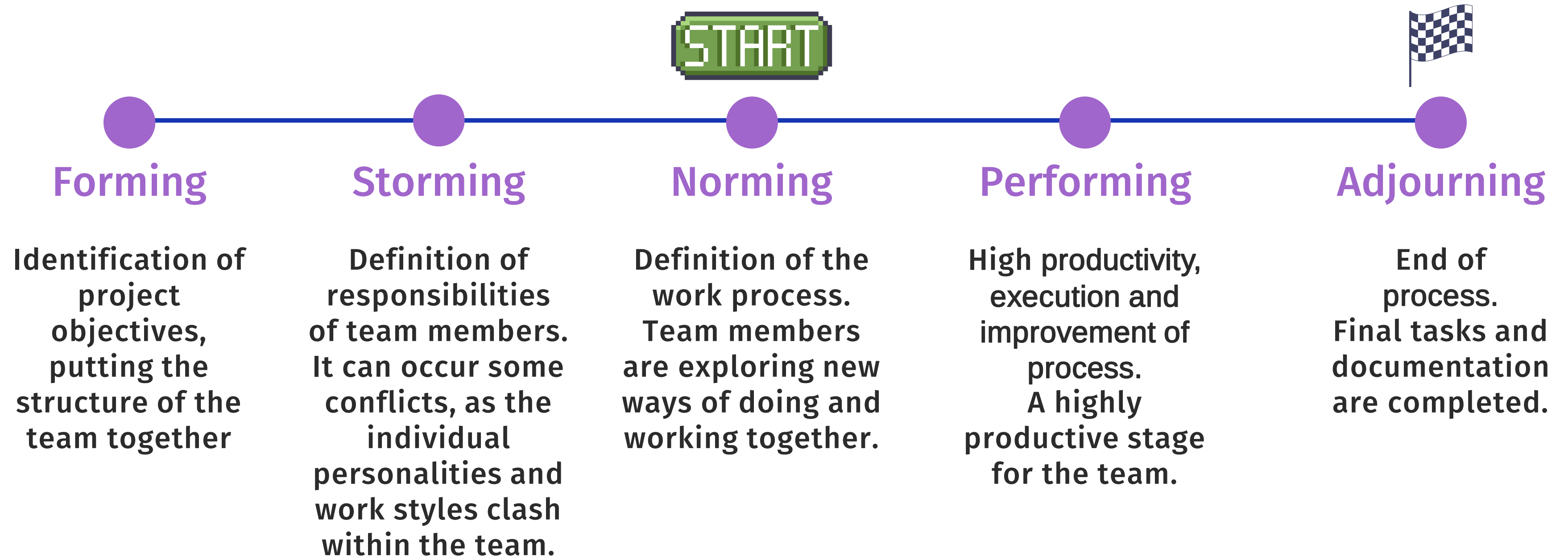
Liberal

Leadership style


Democratic leadership encourages employees to participate and to give suggestions and opinions. In addition, the democratic leader helps the team develop solutions, is very participative, listens, and offers tips and ideas when necessary. He is concerned with the execution of the work and the quality of life and satisfaction of the team.

Democratic leadership

Tuckman stages of team development



Reflection



With this project, we were all able to develop teamwork skills, and we were all able to acquire knowledge of software development and new technologies.

Thank you!

The end

