

PROJETO ESTÁDIO DO DRAGÃO – FAN APP

PEI
2025/2026

MS1: presentation of the lifecycle objectives and calendar for the project.

Group 7:

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Francisco Silva - 118716
João Cabral - 119696
Gonçalo Floro - 120189
Bernardo Martins - 120151

Supervisors:
Rui L. Aguiar
Daniel Corujo
Abdelgader Mahmoud



OVERVIEW

1 CONTEXT

2 PROBLEMS

3 RELATED WORK

4 GOALS

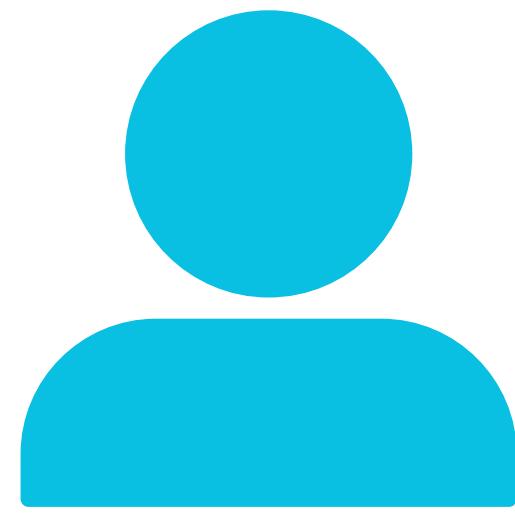
5 EXPECTED WORK

6 CALENDAR

7 TEAM

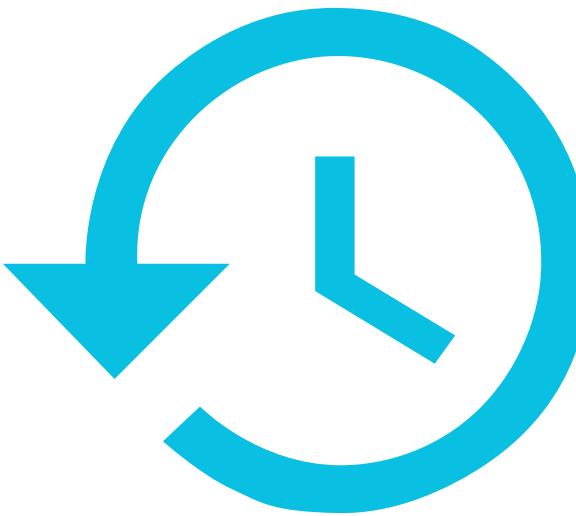
**8 PROJECT
MANAGEMENT**

**9 COMMUNICATION
PLAN**

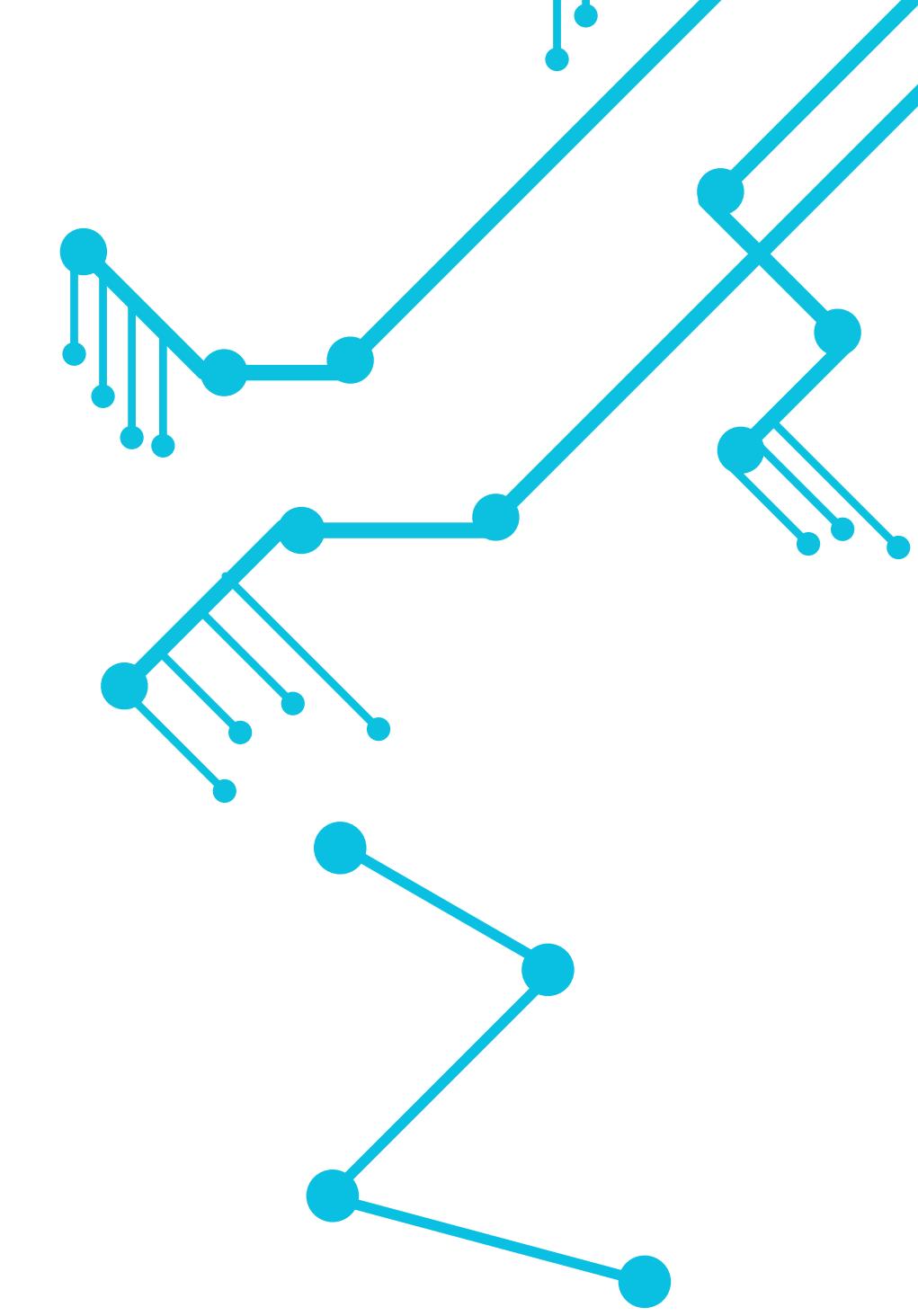


FAN EXPERIENCE

CONTEXT

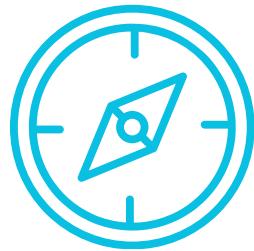


REAL-TIME NAVIGATION



DYNAMIC RE-ROUTING

PROBLEMS



**CHALLENGING
STADIUM NAVIGATION**



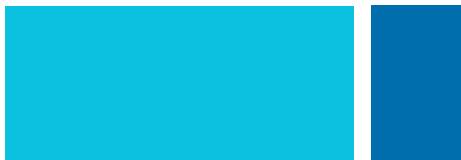
**INSECURE ATMOSPHERE
WITH NO EVACUATION
INSTRUCTIONS**



LONG QUEUES



**LACK OF ACCESSIBILITY
SUPPORT FOR
HANDICAPPED FANS**

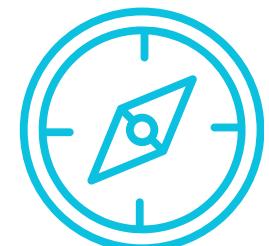


RELATED WORK

	 ARENA WEMBLEY		OUR APP
Indoor Navigation	X	X	X
Food Ordering	X		X extra feature
Real Time Queues			X
Safety Evacuation			X
Accessibility To All Users			X



GOALS



**SMART INDOOR
NAVIGATION**



**REAL-TIME CONGESTION &
WAIT-TIME UPDATES**



**PERSONALIZED SAFETY
AND EVACUATION
ALERTS**



**MULTILINGUAL &
ACCESSIBLE UI**

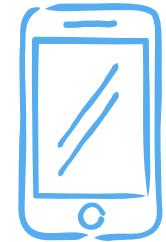


**OFFLINE-FIRST
OPERATION**

EXPECTED RESULTS



**CROSS-PLATFORM
MOBILE APP**



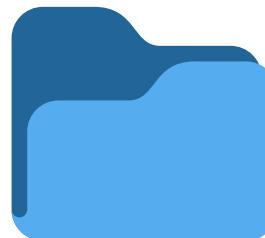
**MULTI-LINGUAL SUPPORT
(PT/EN)**



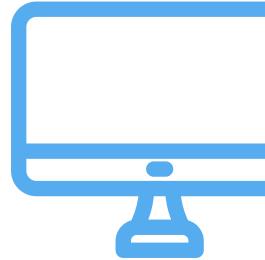
**REAL-TIME CROWD
MONITORING**



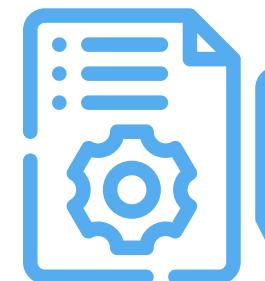
OFFLINE CAPABILITIES



QUEUES ALGORITHMS



**SENSORS DATA
EXTRACTION**



**3D MODELING OF THE
ESTÁDIO DO DRAGÃO**



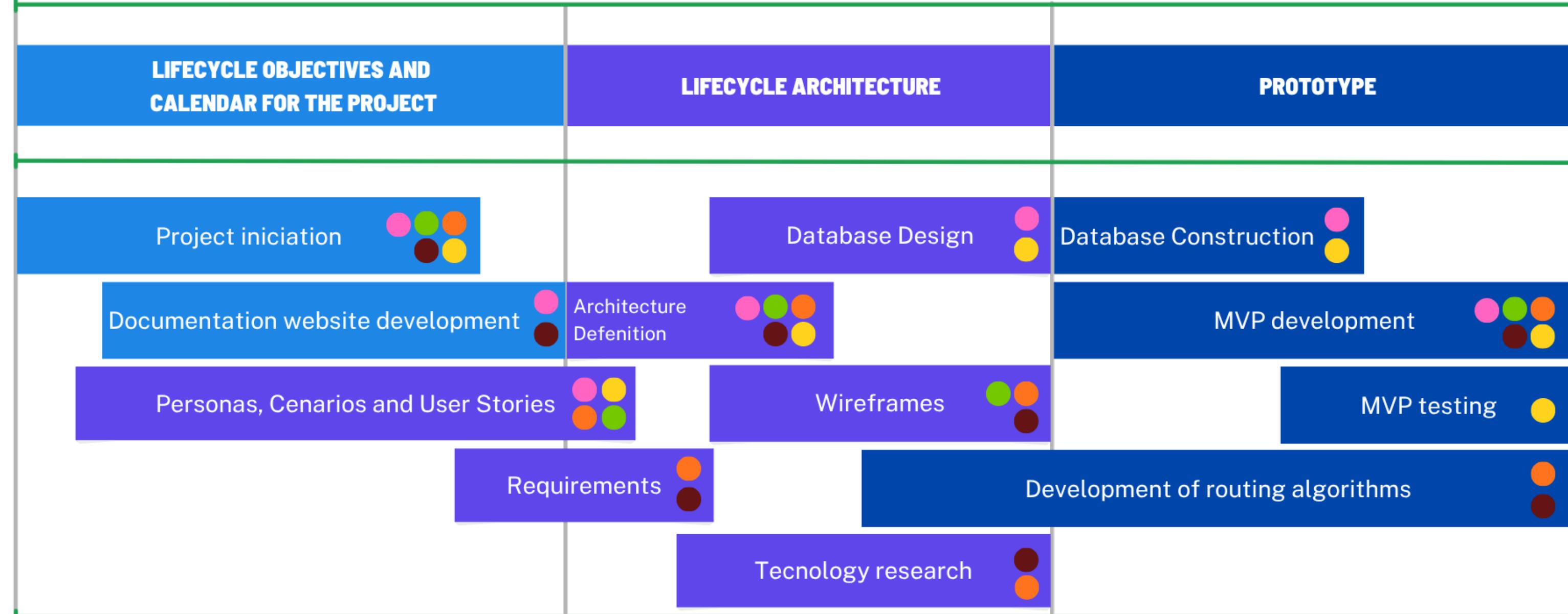
CALENDAR

**beginning of the
first semester**

**28/10
MS1**

**18/11
MS2**

**16/12
MS3**



Francisco

João

Tomás

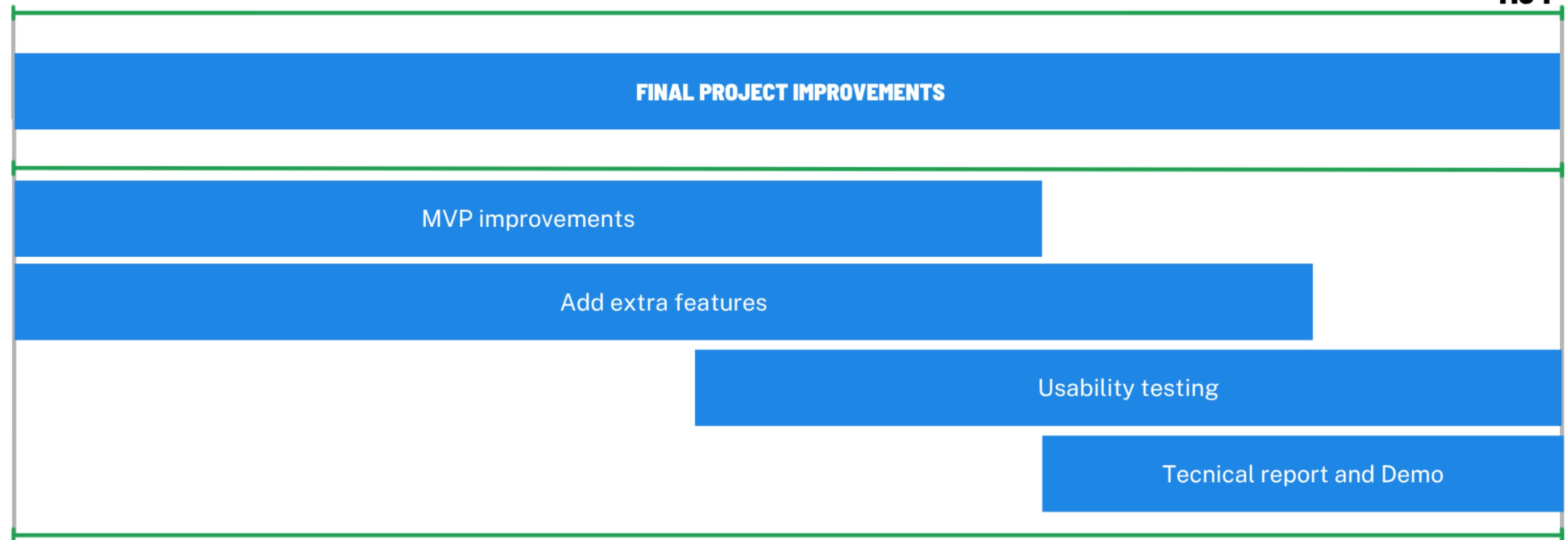
Bernardo

Gonçalo

CALENDAR

**beginning of the
second semester**

**final presentation
MS4**



OUR TEAM



Tomás Gameiro
Project Management



Francisco Silva
Mobile / UI



João Cabral
Backend / APIs



Bernardo Martins
Modeling / Analytics



Gonçalo Floro
QA / DevOps

OUR SUPERVISORS



Rui Aguiar



Abdelgader Mahmoud



Daniel Corujo

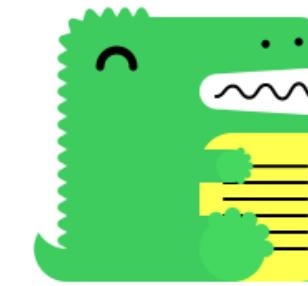
PROJECT MANAGEMENT



GITHUB: REPOSITORY



**JIRA: PROJECT
MANAGEMENT**



**DOCUSAUROS + GITHUB
PAGES: APP
DOCUMENTATION**

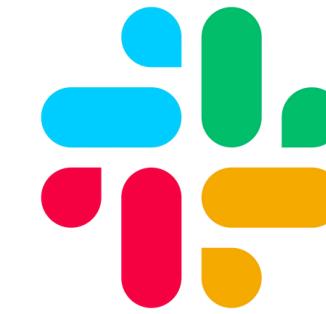
COMMUNICATION PLAN



MICRO SITE



DISCORD



SLACK

