

BU⚡RUSH

INTRODUCTION TO SOFTWARE ENGINEERING

3RD JANUARY 2022

P1 CLASS

98384 INÊS CASTRO BAPTISTA

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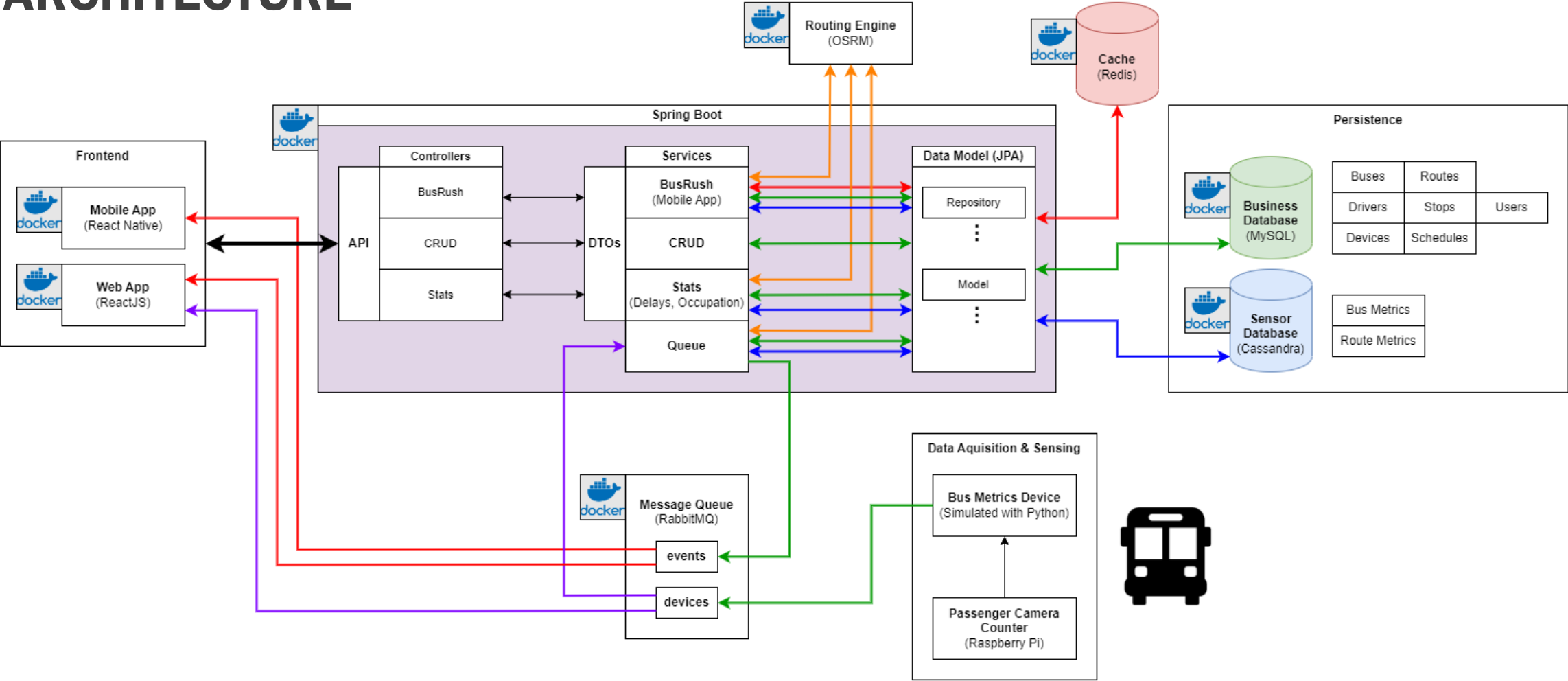
BUSRUSH

Platforms:

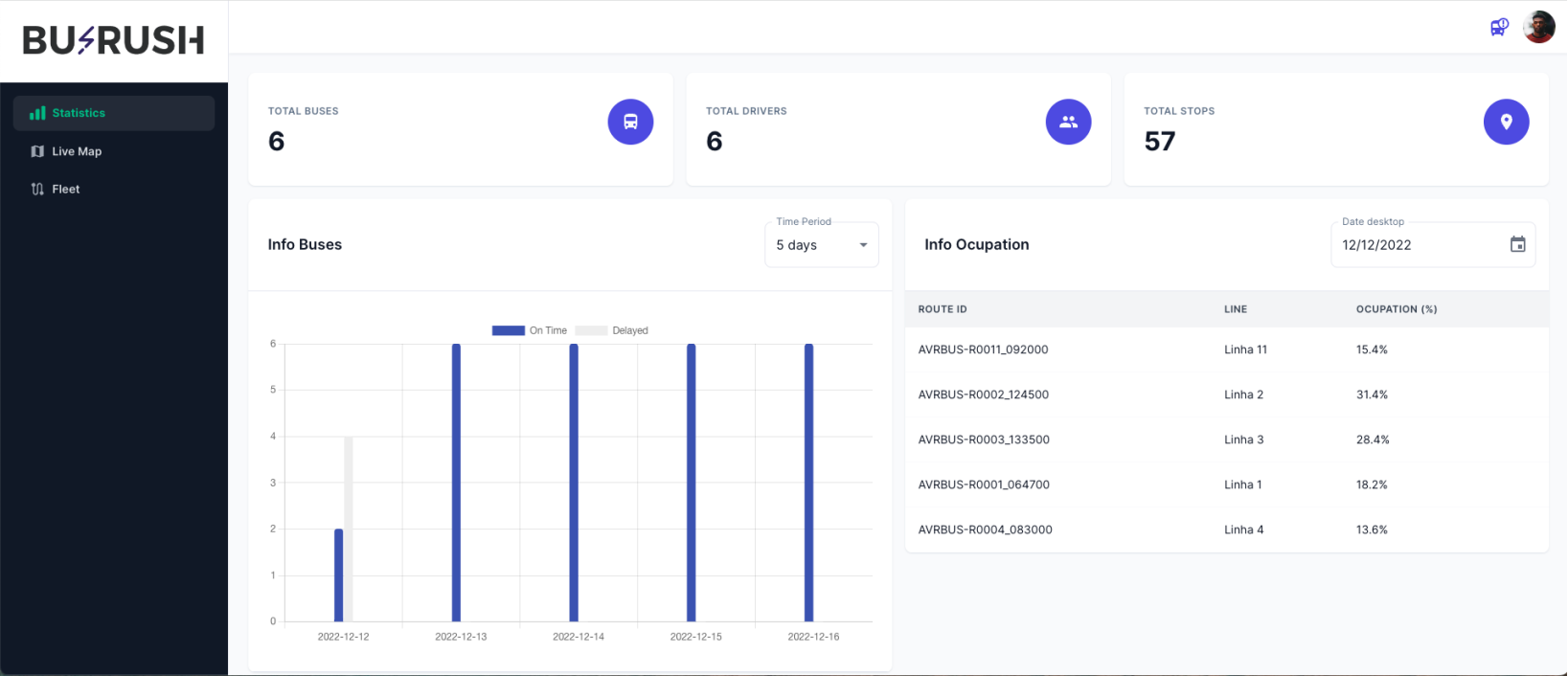
- Web App
- Mobile App

- BusRush is a revolutionary platform that provides fleet administrators with **real-time** monitoring of bus fleet related problems, while making bus travelling more **transparent** to **everyday** commuters.
- Who Benefits?
 - We help bus fleet administrators **monitor** and **identify** bus fleet related problems in our Web App.
 - We help everyday commuters to know if a bus will arrive in time in our Mobile App.

ARCHITECTURE

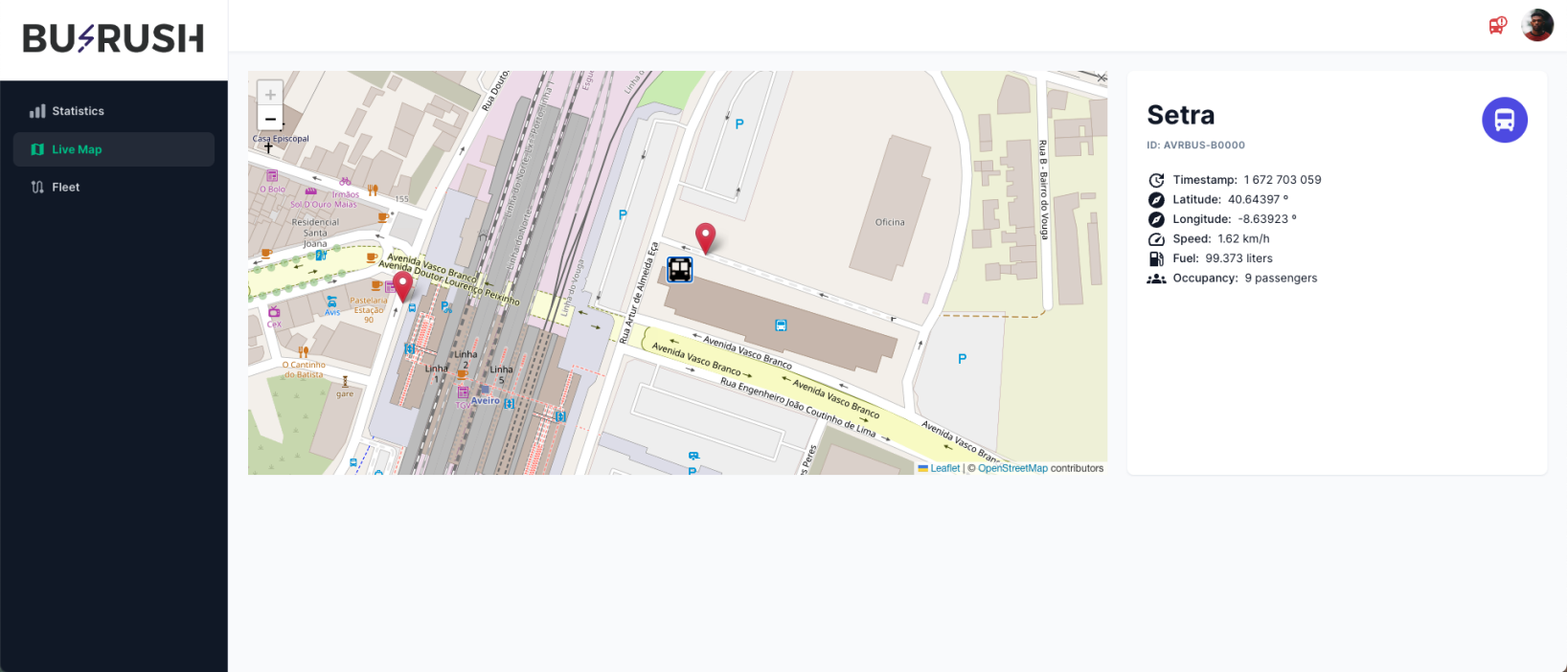


MAIN RESULTS (WEBAPP)



- Page to check Statistics of the buses

MAIN RESULTS (WEBAPP)



- Page to view live map of buses and stops

MAIN RESULTS (WEBAPP)

BU[⚡]RUSH

Statistics

Live Map

Fleet

Fleet

Buses

Devices

Drivers

Routes

Schedules

Stops

Buses

ID	REGISTRATION			
AVRBUS-B0000	31-RS-97		—	
AVRBUS-B0001	74-NU-71		—	
AVRBUS-B0002	10-VR-81		—	
AVRBUS-B0003	32-LM-11		—	
AVRBUS-B0004	29-XS-44		—	

Devices

ID	BUS ID		
AVRBUS-D0000	AVRBUS-B0000	—	
AVRBUS-D0001	AVRBUS-B0001	—	
AVRBUS-D0002	AVRBUS-B0002	—	
AVRBUS-D0003	AVRBUS-B0003	—	
AVRBUS-D0004	AVRBUS-B0004	—	

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- Page to manage buses, devices, drivers, routes, schedules and stops

MAIN RESULTS (MOBILE APP)

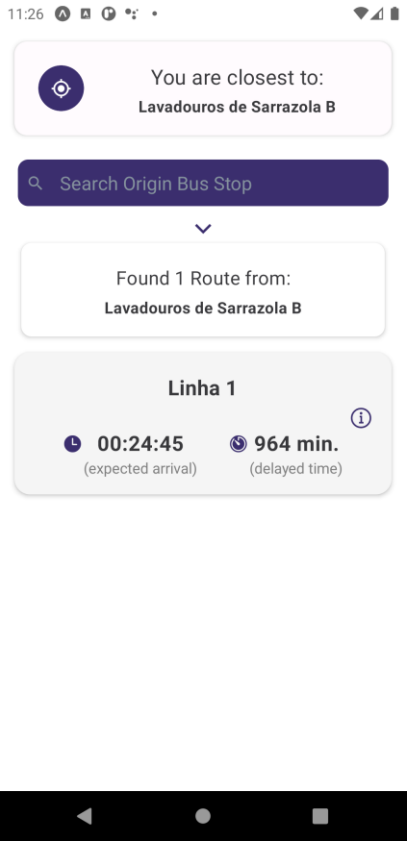


■ Initial Page

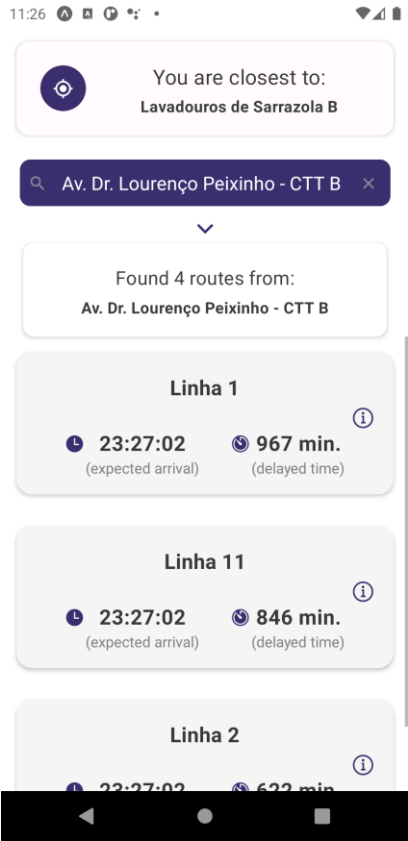


■ Loading Page

MAIN RESULTS (MOBILE APP)

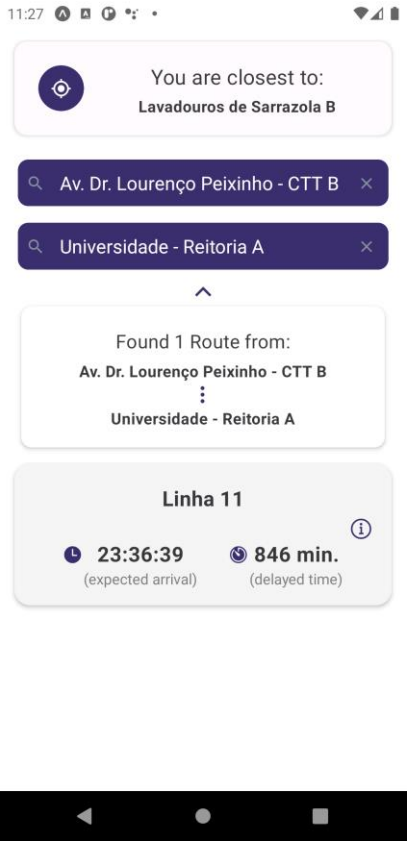


■ Closest Stop

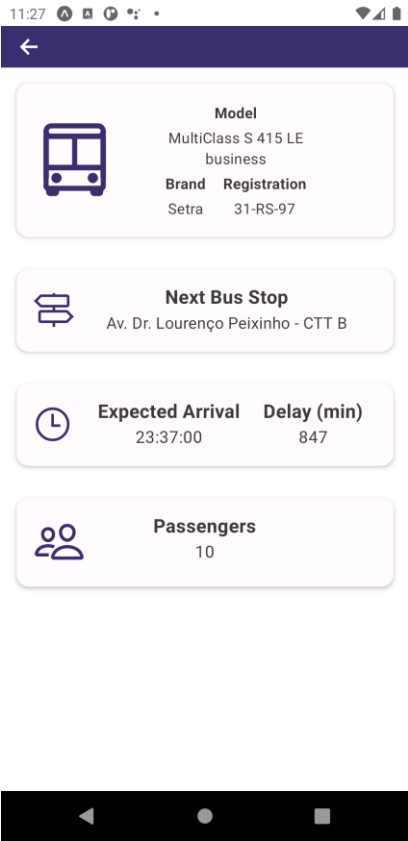


■ Select Stop

MAIN RESULTS (MOBILE APP)



- Select Origin and Destination



- See Information of a bus



LACKS AND FUTURE WORK

- Connection of passenger camera counter to the metrics device
- Implementation of notifications in mobile application
- Ability to view the expected bus path on the live map
- Ability for the administrator to report drivers not complying with the schedule



TEAM ROLES

NAME	ROLE
Inês Castro Baptista	Team Manager
João Manuel Pedrosa Fonseca	Architect
Diogo Luís de Albuquerque Paiva	DevOps Master
André Gabriel Butuc	Product Owner

TEAM ORGANIZATION

- What did you do yesterday?
- What will you do today?
- Anything blocking your progress?



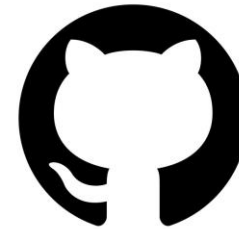
Discord

- Team communication
- Meetings (weekly)
- DailyBot for SCRUM daily stand-ups



JIRA

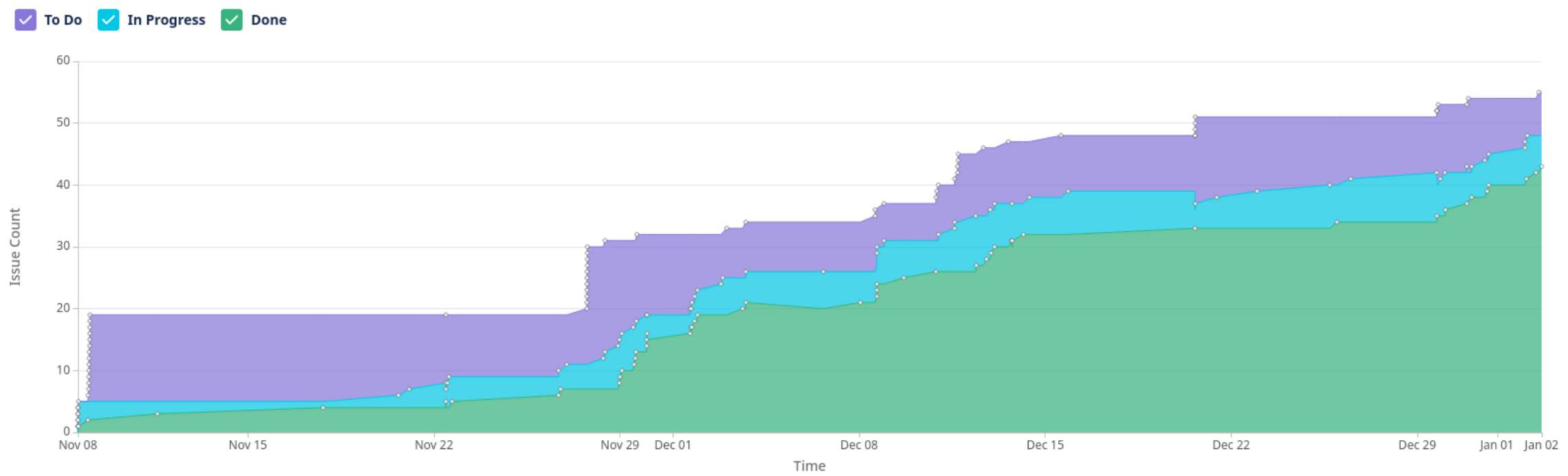
- Epics management
- Tasks distribution



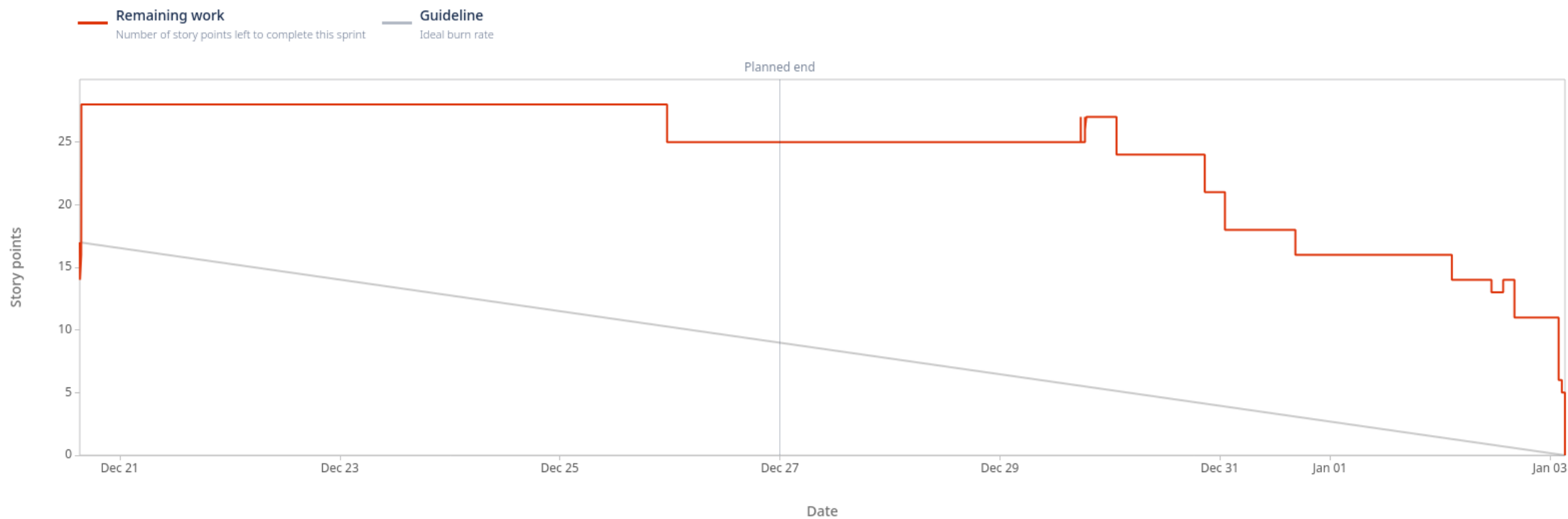
Github

- Collaborative Work
- Version Control

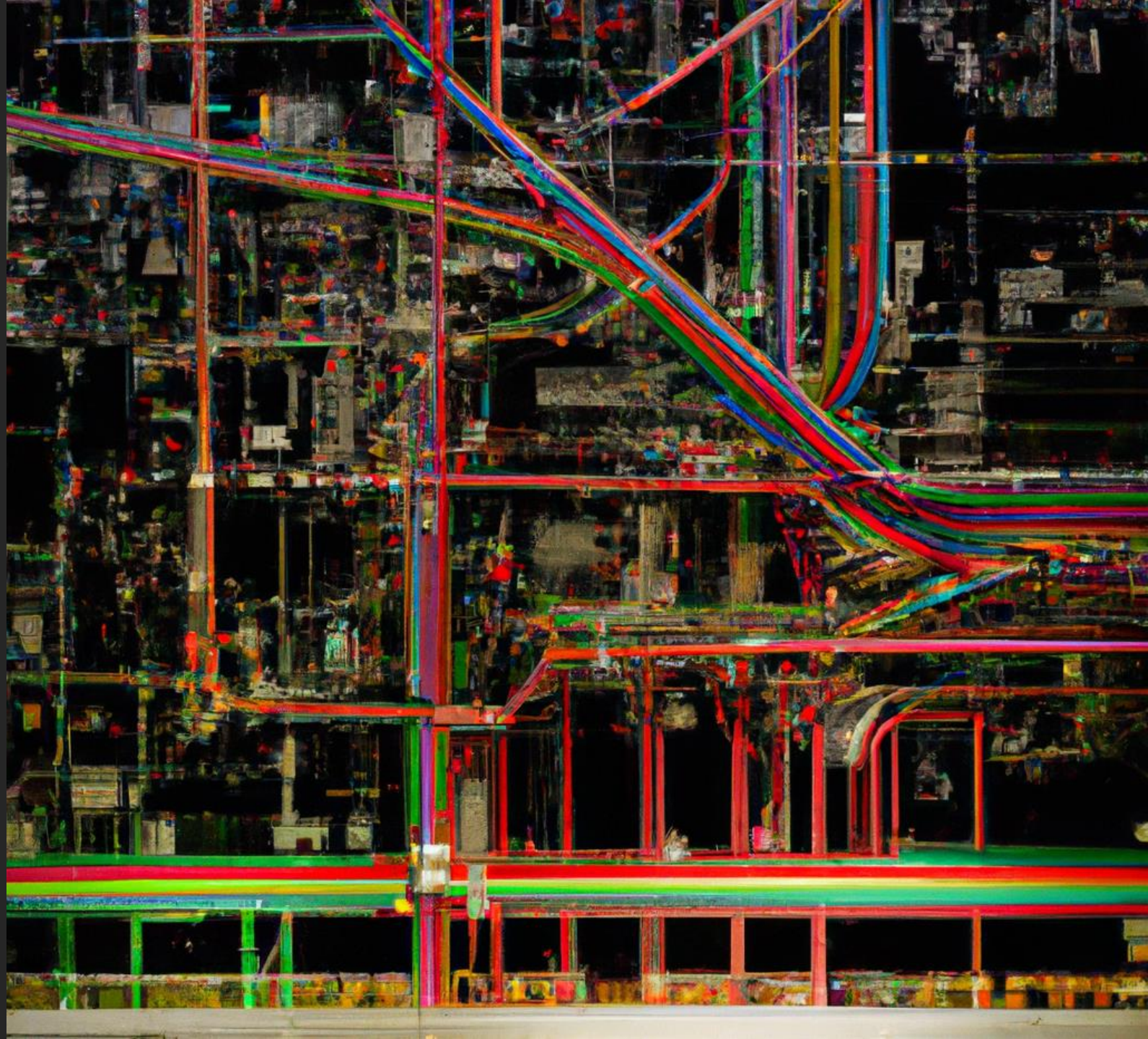
CUMULATIVE FLOW DIAGRAM



BURNDOWN CHART



LIVE DEMO



THANK YOU!

BU⚡RUSH

**NEVER MISS A
BUS AGAIN!**