BUSRUSH

INTRODUCTION TO SOFTWARE ENGINEERING

3RD JANUARY 2022

P1 CLASS

98384 INÊS CASTRO BAPTISTA

103154 JOÃO MANUEL PEDROSA FONSECA

103183 DIOGO LUÍS DE ALBUQUERQUE PAIVA

103530 ANDRÉ GABRIEL BUTUC

BUSRUSH

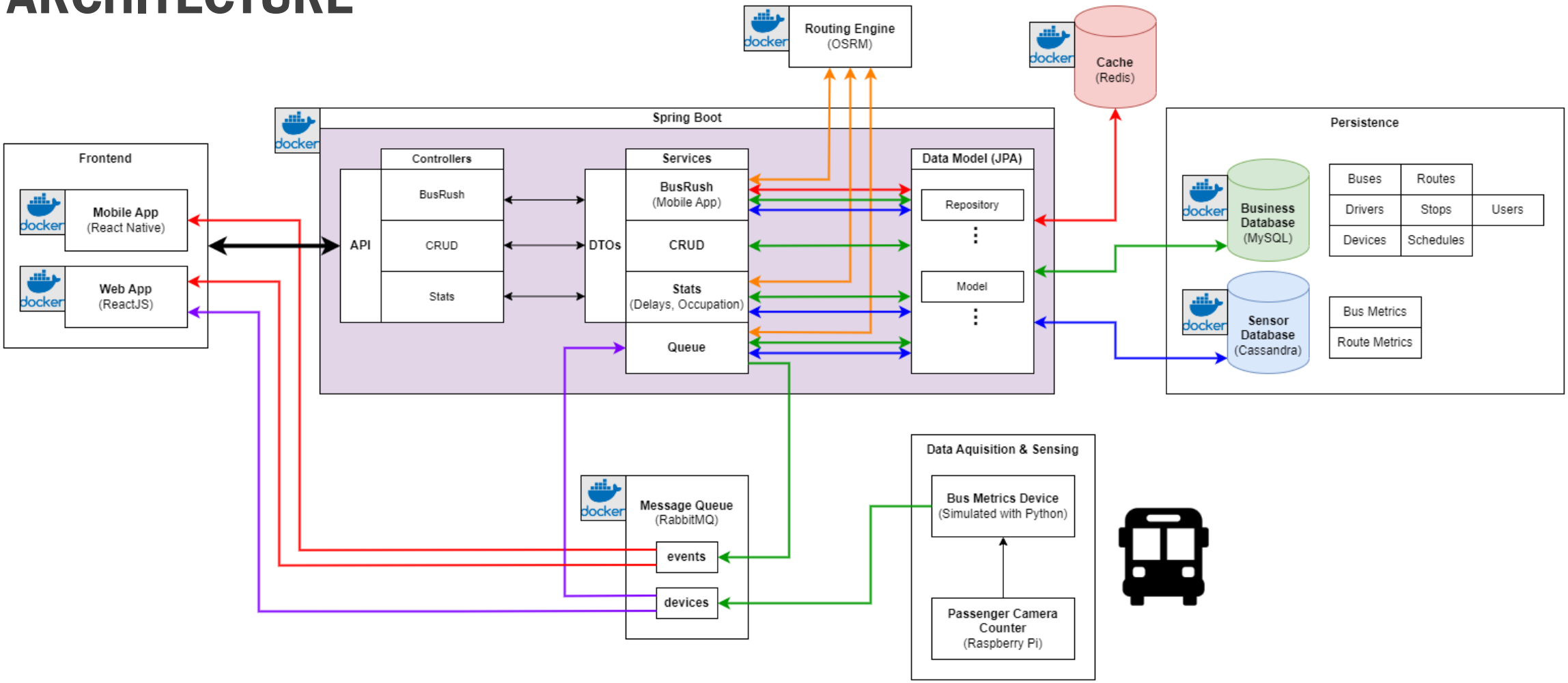
Platforms:

- Web App
- Mobile App

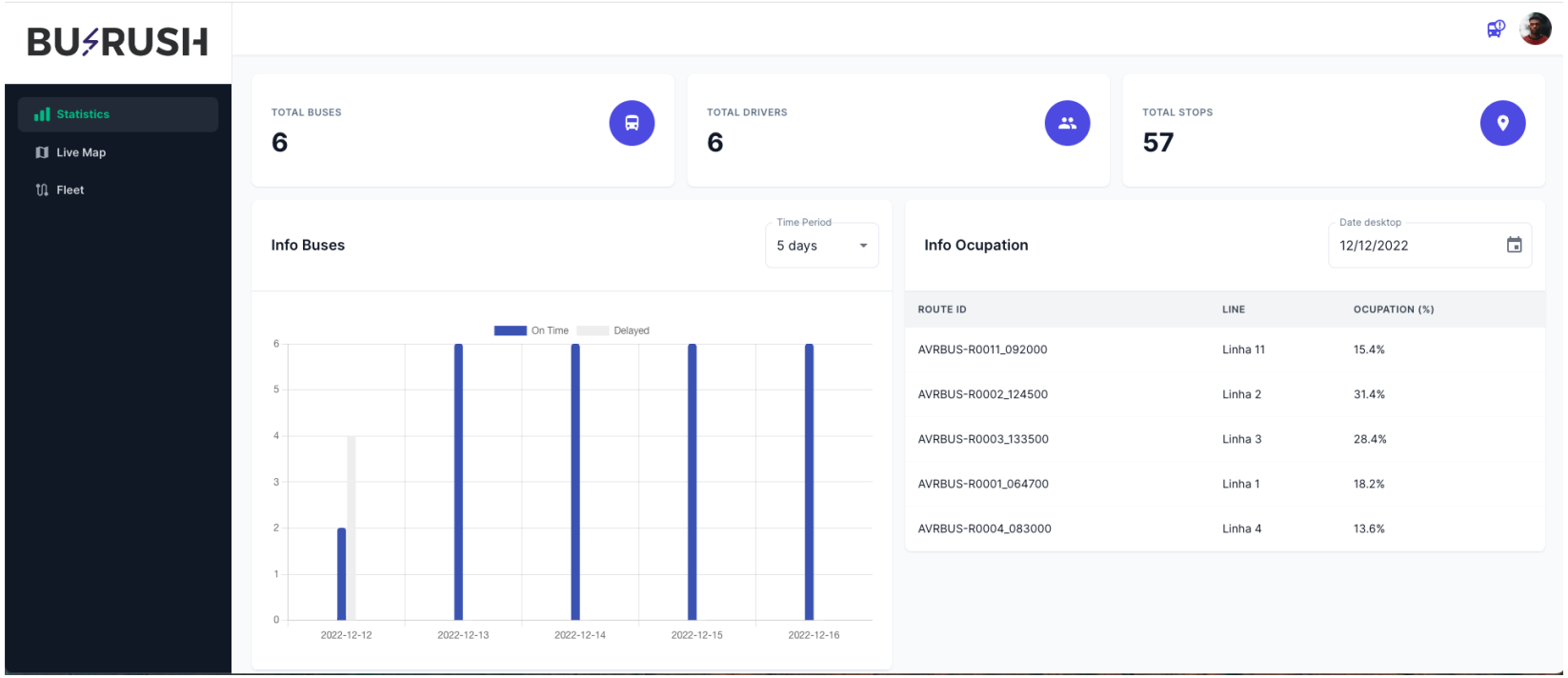
- BusRush is a revolutionary platform that provides fleet administrators with **real-time** monitoring of bus fleet related problems, while making bus travelling more **transparent** to **everyday** commuters.

- 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

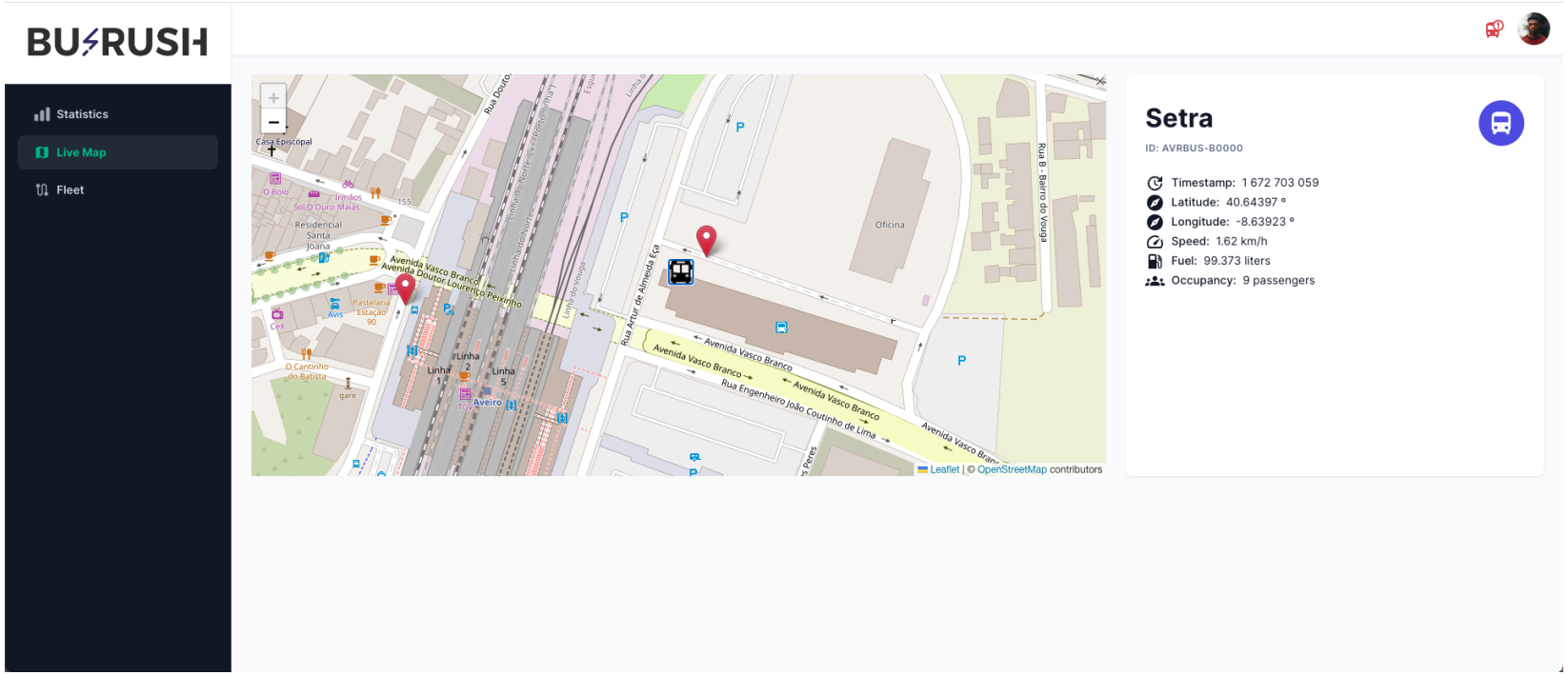


MAIN RESULTS (WEBAPP)



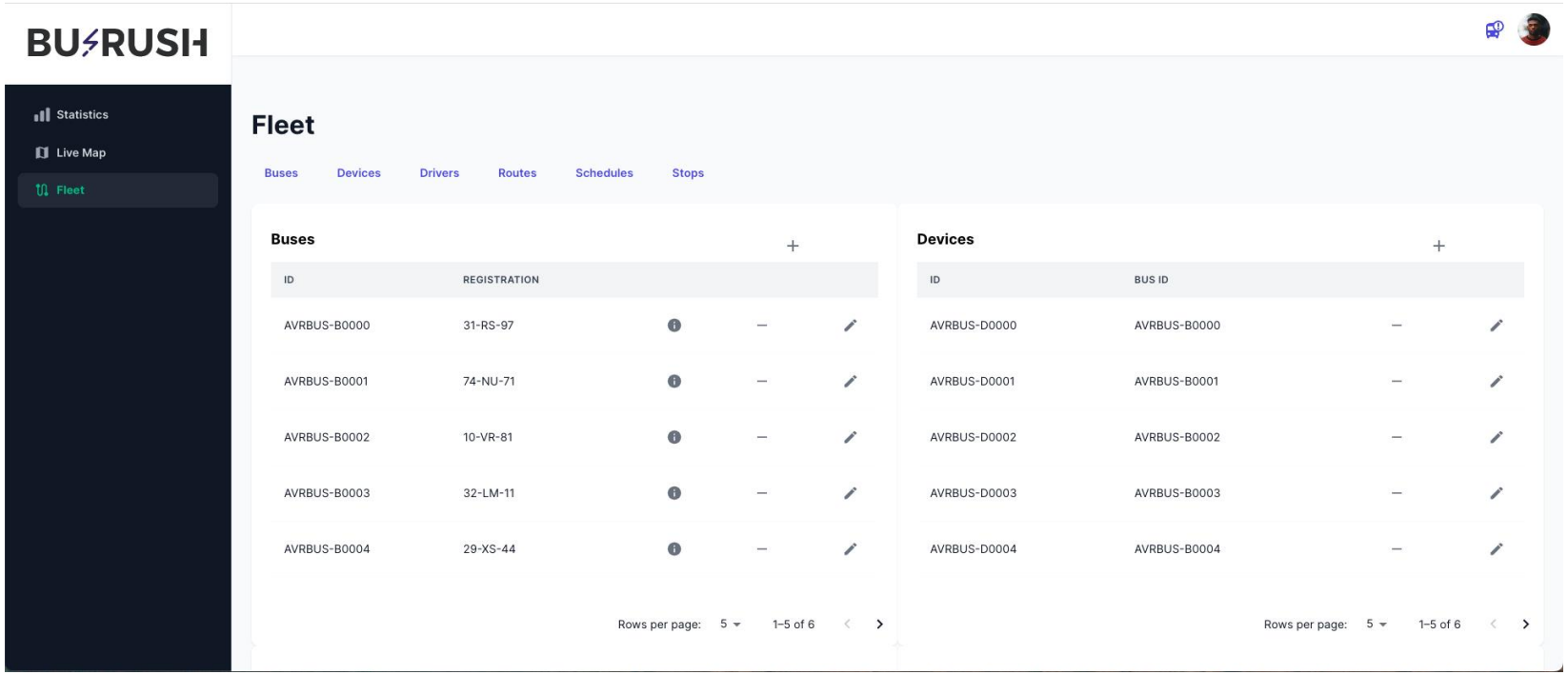
- Page to check Statistics of the buses

MAIN RESULTS (WEBAPP)



- Page to view live map of buses and stops

MAIN RESULTS (WEBAPP)



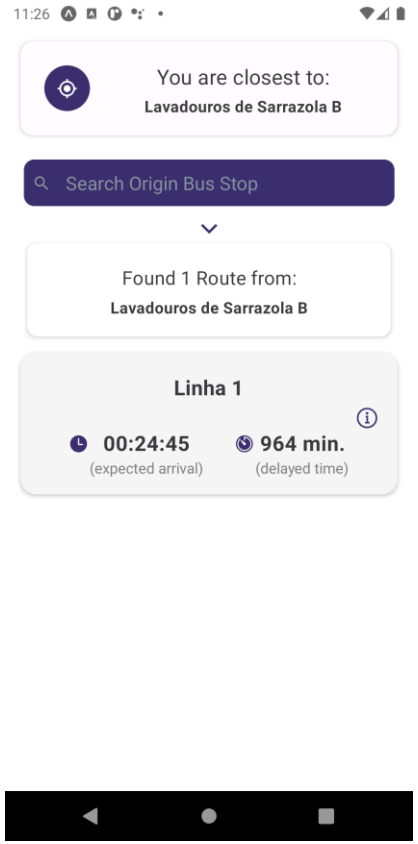
- Page to manage buses, devices, drivers, routes, schedules and stops

MAIN RESULTS (MOBILE APP)

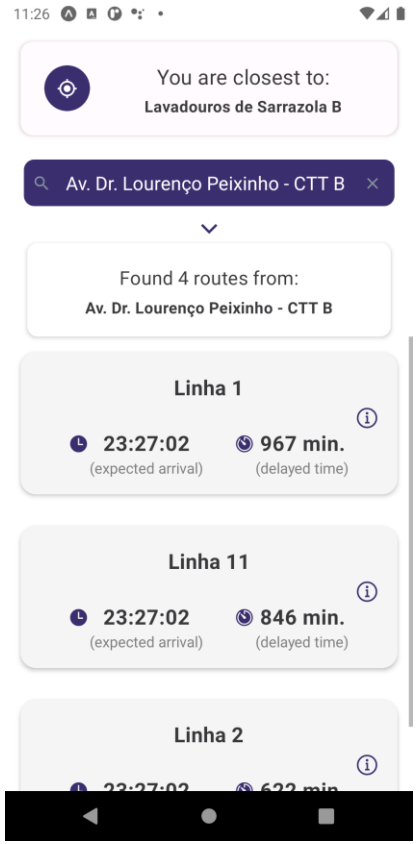
- Initial Page

- Loading Page

MAIN RESULTS (MOBILE APP)

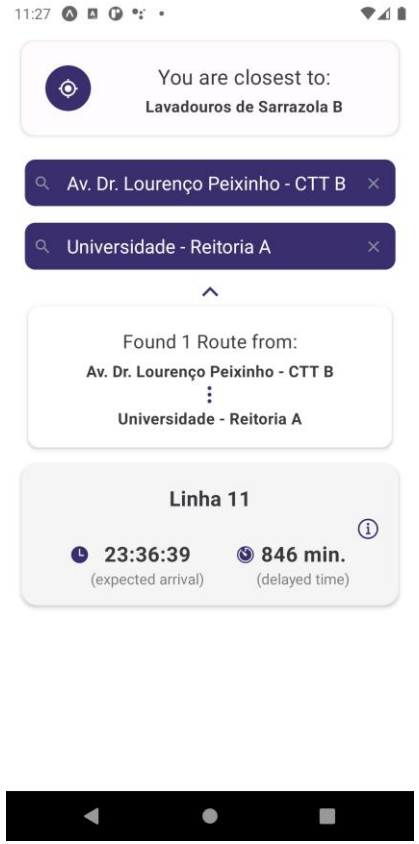


- Closest Stop

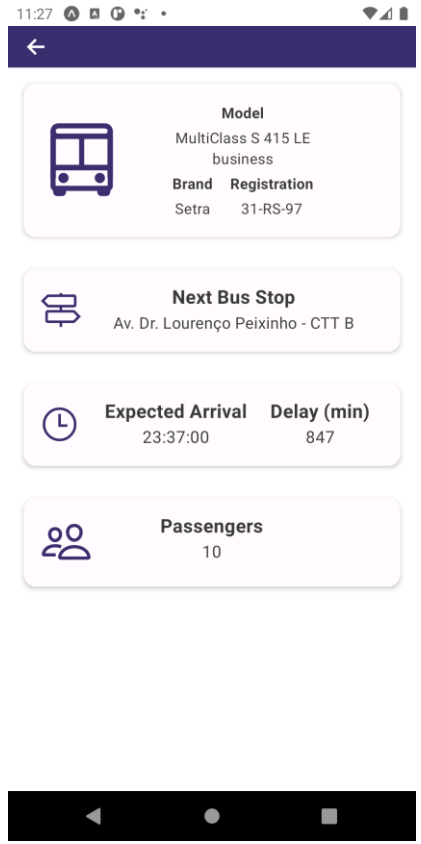


- Select Stop

MAIN RESULTS (MOBILE APP)



- Select Origin and Destination



- See Information of a bus

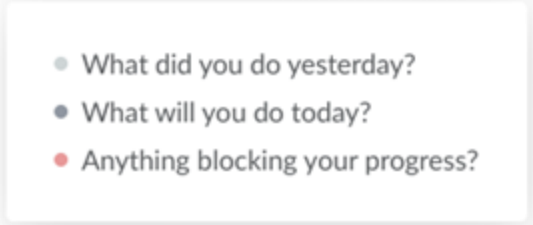
LACKS AND FUTURE WORK

- 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



Discord

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

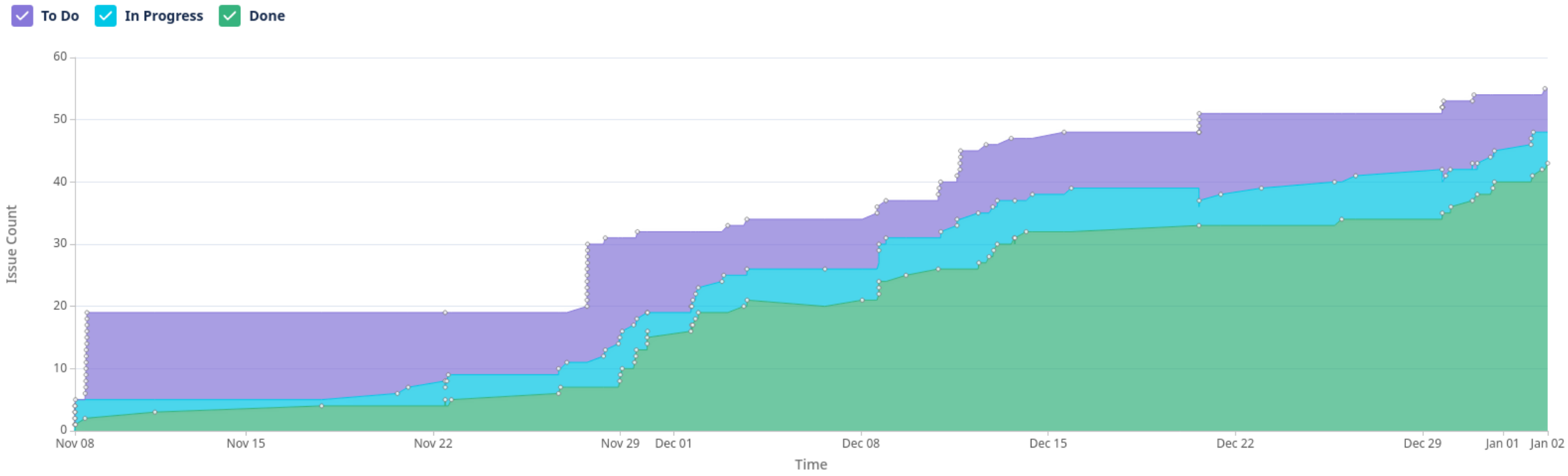
JIRA

- Epics management
- Tasks distribution

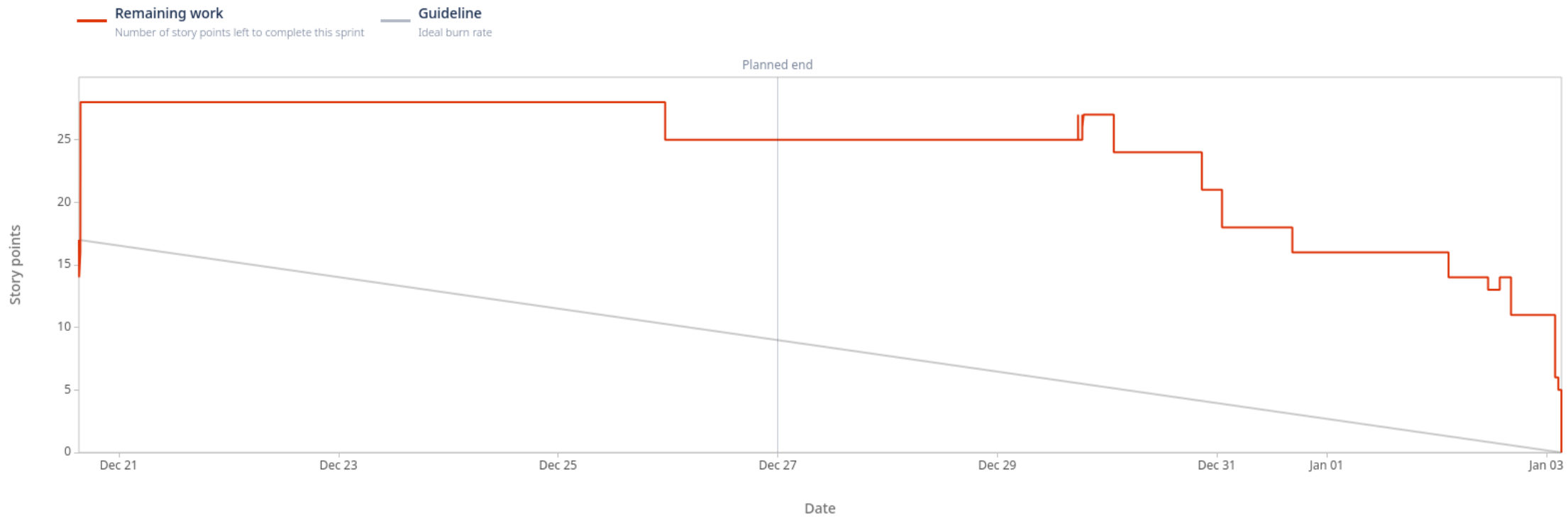
Github

- Collaborative Work
- Version Control

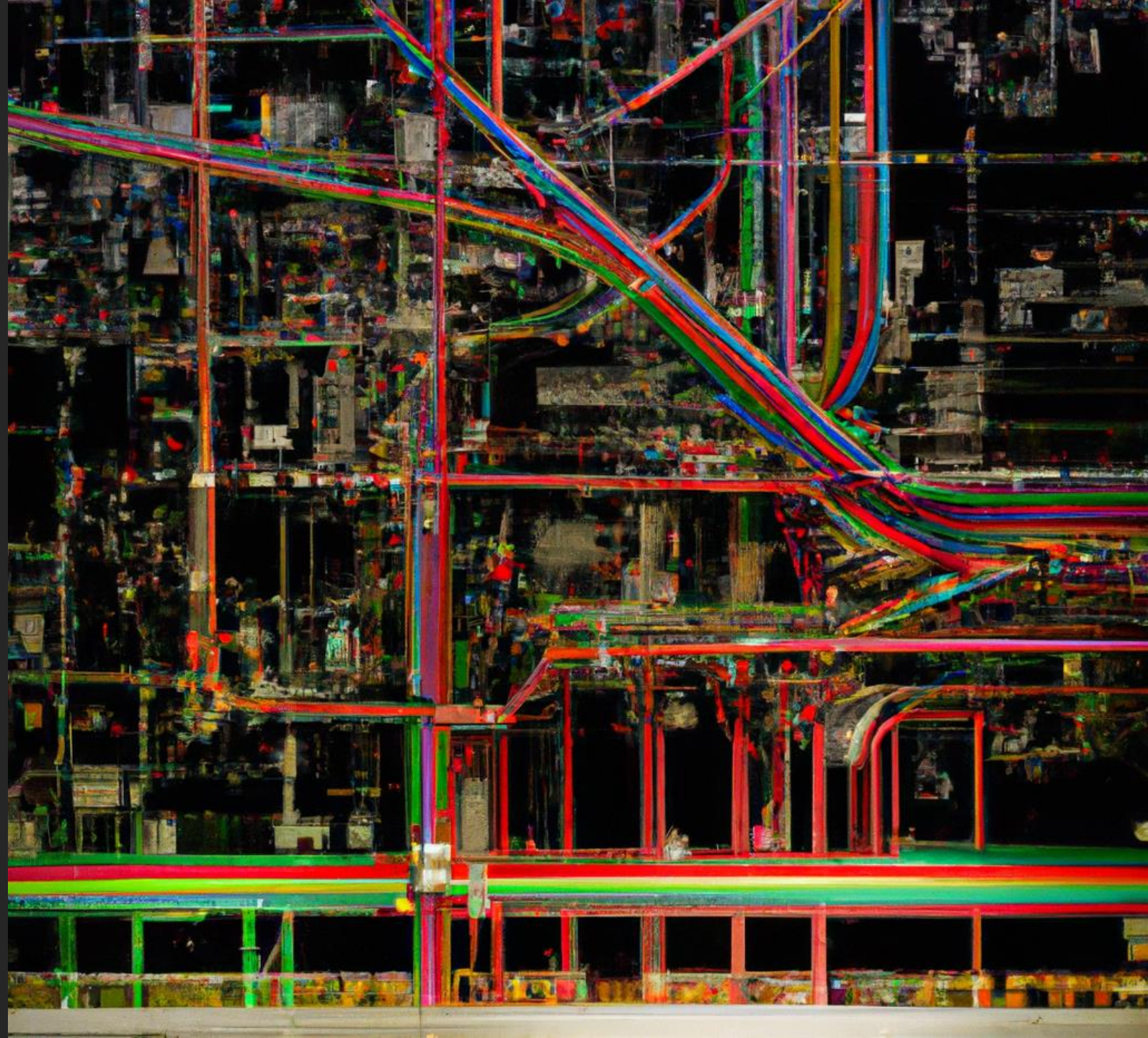
CUMULATIVE FLOW DIAGRAM



BURNDOWN CHART



LIVE DEMO



THANK YOU!

BUSRUSH

NEVER MISS A BUS AGAIN!