

# MoniDorm



Capstone Project

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Problem  
Solution(roadmap))

Demo

Description about each part (+tech stack)

Team distribution

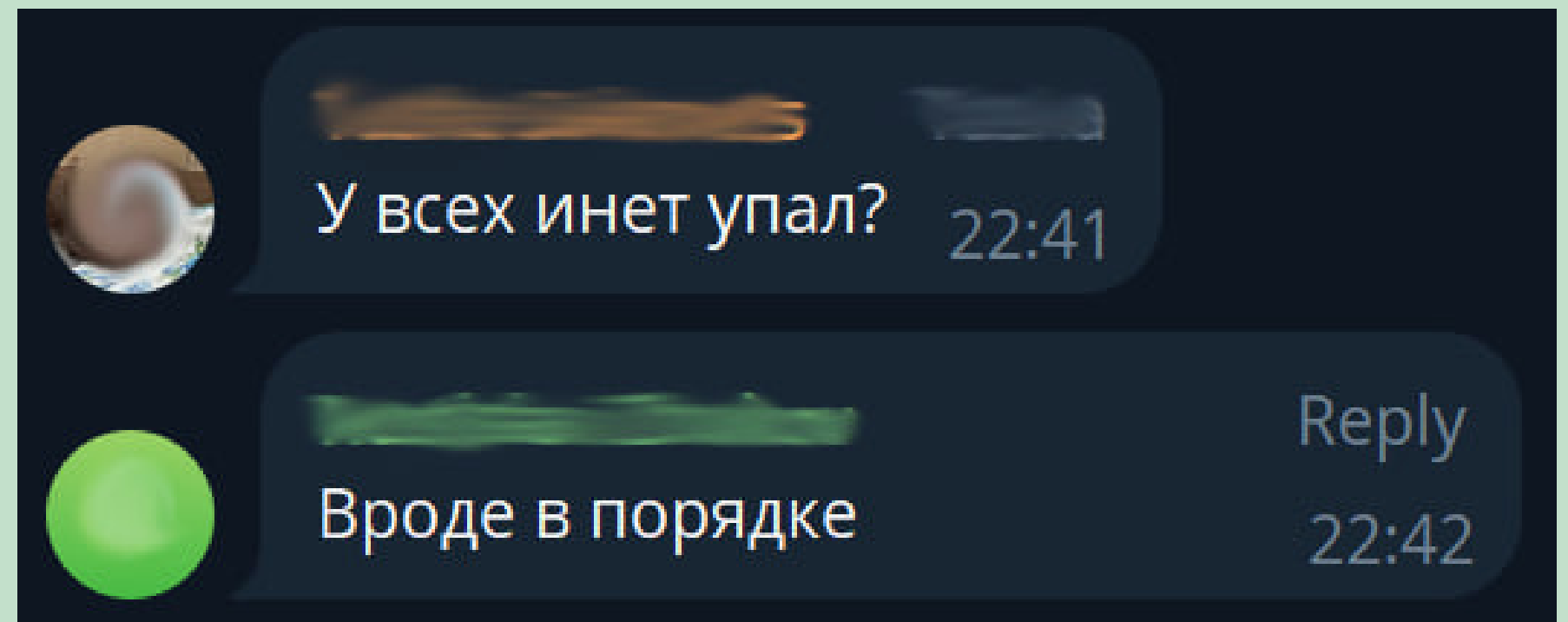
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# THE PROBLEM

Technical issues frequently occur in the dormitories, such as internet and electricity outages, or water supply interruptions. One significant challenge is the difficulty in determining whether a technical failure is local or more widespread.



“- Has everyone’s internet stopped working?  
- Everything seems to be fine.”

# OUR SOLUTION

The proposed solution is to develop a public service where users can report technical failures by specifying the type of issue, its location, and other relevant details. The service will analyze these reports to determine if the problem is local or widespread. It will also notify other students and stakeholders, such as dormitory management, about the issues.

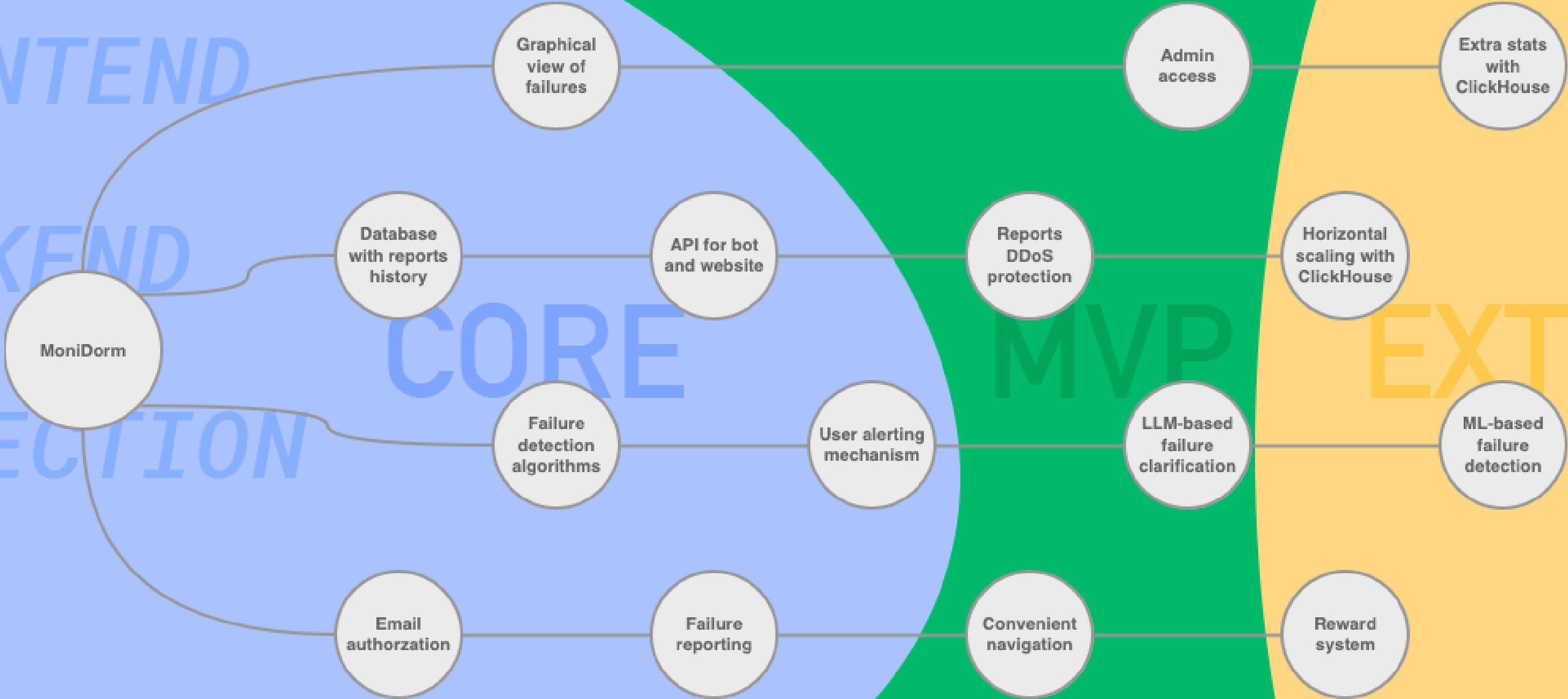
# ROADMAP

FRONTEND

BACKEND

DETECTION

BOT



Well-rehearsed demo.  
Telegram bot

Well-rehearsed demo.  
Website

# BACKEND



BOT

# FRONTEND

# DETECTION

# OUR TEAM

Matvey  
Korinenko



Artur  
Mukhutdinov



Rufina  
Gafiiatullina



Evgeny  
Bobkunov



Daniil  
Prostiruk



# TEAM ALLOCATION

<b>Team Member</b>	<b>Track</b>	<b>Responsibilities</b>
Evgeny Bobkunov	Project Management	Team management, GitHub repository support, Issues creation and task tracking
Matvey Korinenko	Team Lead, Fullstack	Creating a Telegram bot as a frontend interface for users, Development of the project architecture, Working with MongoDB database
Artur Mukhutdinov	Backend, Deputy Team Lead	Development of API and architecture, Working with PostgreSQL database
Daniil Prostiruk	Frontend	Development of Website for the administration panel
Rufina Gafiiatullina	ML, DS	Exploring the feasibility of applying LLM to the project, Development of a fault detection algorithm

# USER FEEDBACK

Ease of Navigation: 4.26/5

Intuitiveness of Reporting Process: 4.26/5

Timeliness of Notifications: 4.1/5

Clarity of Problem Reports: 4.3/5

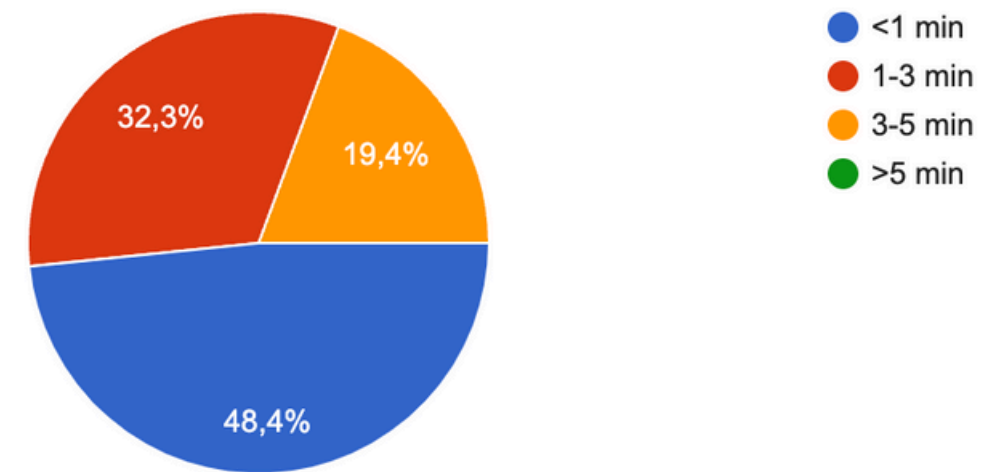
Encountered Difficulties:  
45.2% of users reported difficulties

Successful Problem Reporting:  
100% of users successfully reported problems.

Receiving Notifications:  
80.6% received notifications about problems

How long did it take you to complete a report using the bot?

31 ответ



# REFLECTION

# FUTURE WORK

01

**BOT**

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- Notification Enhancements
- Map Integration
- Implement Photo Uploads for Reports
- Track Report Status

02

**WEBSITE**

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- Sorting Features
- Live Graphics
- Repairer Call Feature
- Confirmation and Notification System

03

**FAULT ALERTING MECHANISM**

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- Advanced failures analysis



THANK YOU!

# DESCRIPTION ABOUT EACH MEMBER

STEP 1

Implement referral programs to get new leads and talent.

STEP 2

Roll out new strategies for client acquisition.

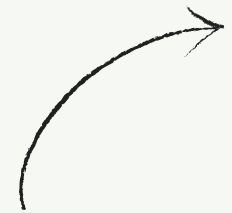
STEP 3

Develop and implement a process to ensure our new clients are diverse.

STEP 4

Integrate the latest trends and strategies in advertising.

*We are here!*



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### **Reach 100+ active clients**

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We're currently at 68.

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### **\$25 million in revenue**

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We're halfway through  
this goal.

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### **Work with more female and minority-led brands**

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This is currently 60% of our  
client base

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### **Grow Our Team**

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We want to grow and scale  
alongside our clients  
portfolio.