# Web Application Development

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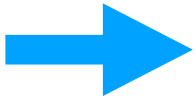
# Team work

# Team roles

- Project stakeholder
- Project manager
- Designer
- Frontend developer
- Backend developer
- Devops/admin
- Tester
- Content manager

# Team roles example

- Project manager
- Designer
- Frontend developer
- Backend developer
- Devops/admin
- Testers



Responsible for the project, write docs and slides

Interface drawing

HTML, CSS, JS

Flask, databases

Deploy, security

Test functionality

**1 person can try several roles**

# Project roadmap

1. Project idea and schedule plan
2. Description of minimal functional product
3. Build minimal product in several iterations
4. Plan next features
5. Implement features
6. Prepare docs, deploy, test and present your project

# Communication

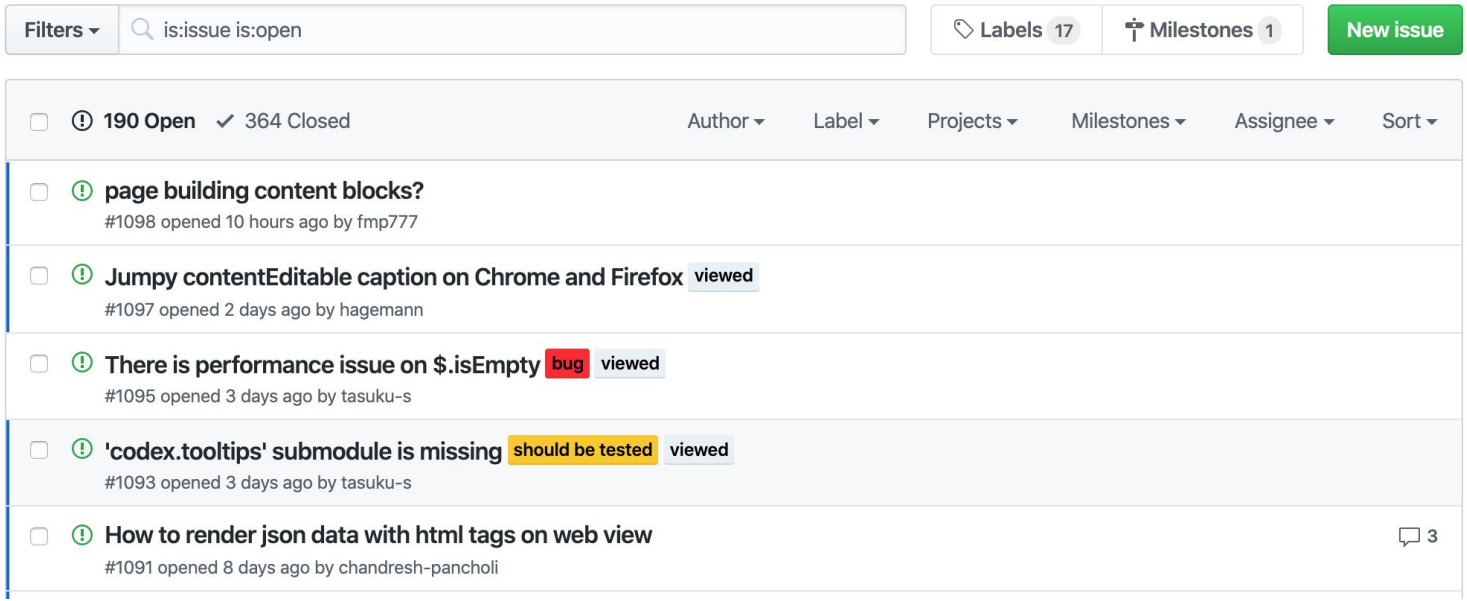
- Text
  - Telegram
  - Trello
  - Slack
- Audio with screen sharing
  - Telegram
  - Zoom
  - Discord

# Knowledge

- Google docs – https://drive.google.com/
- Notion – http://notion.so/
- Pinned messages in Telegram
- GitHub wiki – (like this) https://github.com/itmo-wad/itmo-wad.github.io/wiki
- GitHub repository docs

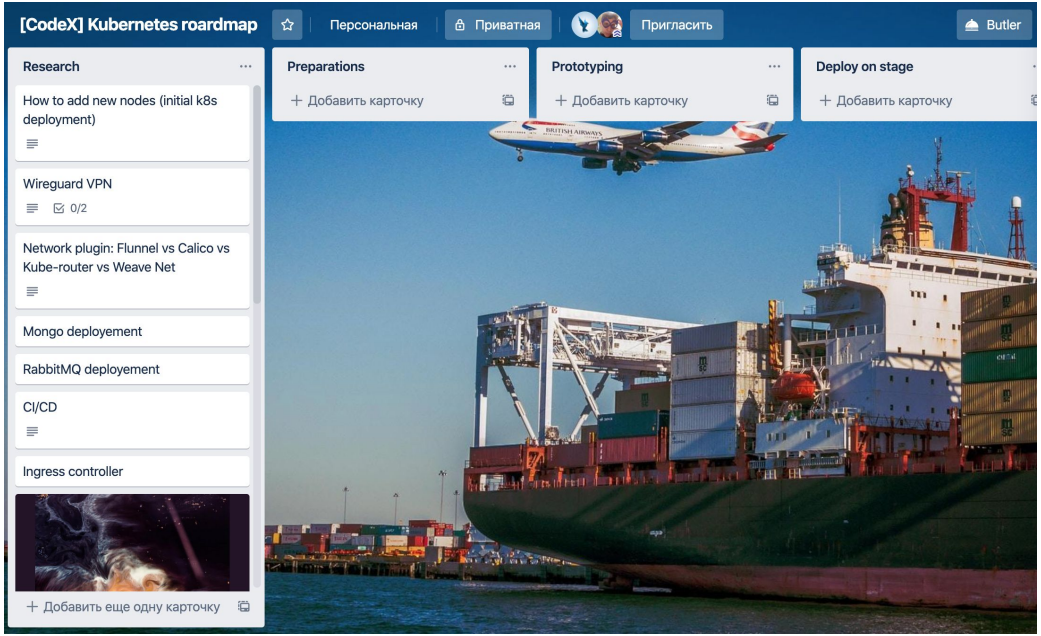
# Task management

- GitHub issues



# Task management

- Trello cards

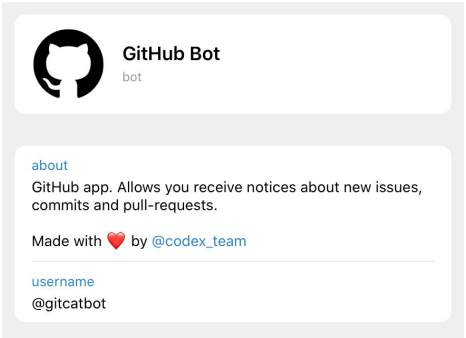


# Working process

- Daily reports
- Weekly calls with task planning
- Be active in the chat

# Automation

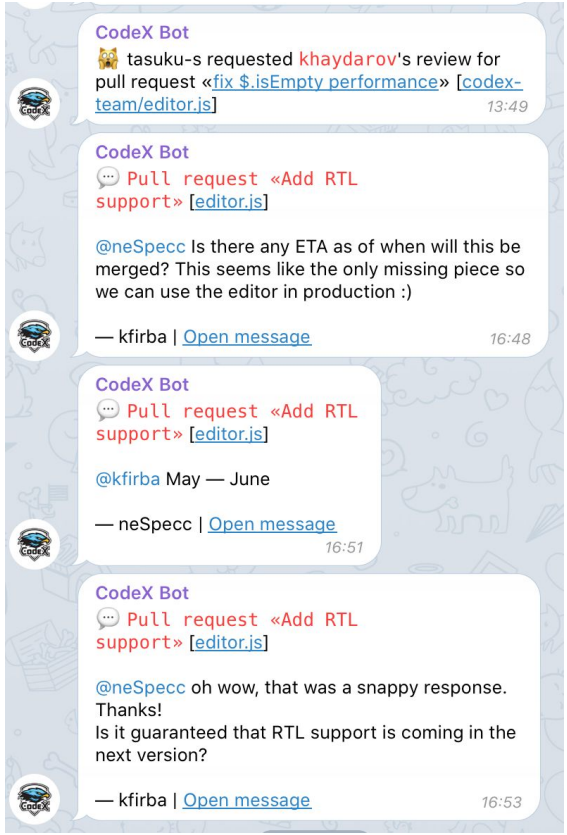
- Be informed about commits with the help of bots – https://github.com/codex-bot/github




@gitcatbot

# Automation

💬 Issue «🧸❓Cozy quiz» [WAD-Course-ITMO]
I really like this project because it looks fun but also brings a modular dimension, in the creation of quizzes, pretty interesting.
— Kikuchii | Open message 17:20
📌 Kikuchii has been assigned to the issue «🧸❓Cozy quiz» by Kikuchii [WAD-Course-ITMO]
https://github.com/itmo-wad/WAD-Course-ITMO/issues/5 17:21
08 апреля
📌 ychais has been assigned to the issue «🥟☁️Comments cloud» by ychais [WAD-Course-ITMO]
https://github.com/itmo-wad/WAD-Course-ITMO/issues/6 19:52
✏️ Anka222 opened new issue «Effective production» [WAD-Course-ITMO]
https://github.com/itmo-wad/WAD-Course-ITMO/issues/11 22:55
Today
⭐ brihoumb starred itmo-wad/WAD-Course-ITMO ★ 26 10:15
📌 brihoumb has been assigned to the issue «🧸❓Cozy quiz» by brihoumb [WAD-Course-ITMO]
https://github.com/itmo-wad/WAD-Course-ITMO/issues/5 11:28


CodeX Bot
tasuku-s requested khaydarov's review for pull request «fix $.isEmpty performance» [codex-team/editor.js] 13:49
CodeX Bot
💬 Pull request «Add RTL support» [editor.js]
@neSpecc Is there any ETA as of when will this be merged? This seems like the only missing piece so we can use the editor in production :)
— kfirba | Open message 16:48
CodeX Bot
💬 Pull request «Add RTL support» [editor.js]
@kfirba May — June
— neSpecc | Open message 16:51
CodeX Bot
💬 Pull request «Add RTL support» [editor.js]
@neSpecc oh wow, that was a snappy response. Thanks!
Is it guaranteed that RTL support is coming in the next version?
— kfirba | Open message 16:53

# Group projects

https://github.com/itmo-wad/WAD-Course-ITMO/issues

# Activity

⏱️ **30 minutes**

- Join random Zoom room
- Brainstorm and discuss project ideas
- Choose the best one:
  - Interesting
  - Technically simple
  - Focused on a particular problem solution
- Clarify:
  - Problem
  - Solution
  - A concrete use case (user story)
- Present others (*voice+screen sharing*) – ~3-5 minutes

# Tomorrow

⏱️🔥 **till 22:00 March 30**

- Join an existing project idea at GitHub issue page https://github.com/itmo-wad/projects-2022/issues
- Or create **a new** one
- Discuss in comments and join as a collaborator (***Assignee***)
- You need to assign to at least one project
- If you want to increase your chances, write in comments your motivation to work on the particular project
- We will form teams according to that information

# Practice time