code_battle_advanced

incredible!!!!!!!
masterful edsign mr lishchenko!

P.S. for Andrey M.: this is just an outline of how it should be structured. We know how to make presentations, we just wanted to focus on the project and did this fast to make sure we know where we are going.

The team

Team Member	Track	Responsibilities
Fedor Smirnov	Fullstack	Working on system administration, distributing tasks and cleaning up others' code
Ivan Lishchenko	Backend	Public relations, development of code responsible for testing tasks
Aleksei Morozov	Frontend	Creating a functional skeleton of the website and integrating it with the database
Timur Suleimanov	Backend	Cleaning up the backend and developing features
Ivan Sannikov	Design	Mocking up the design of the site and implementing it in CSS

Value Proposition

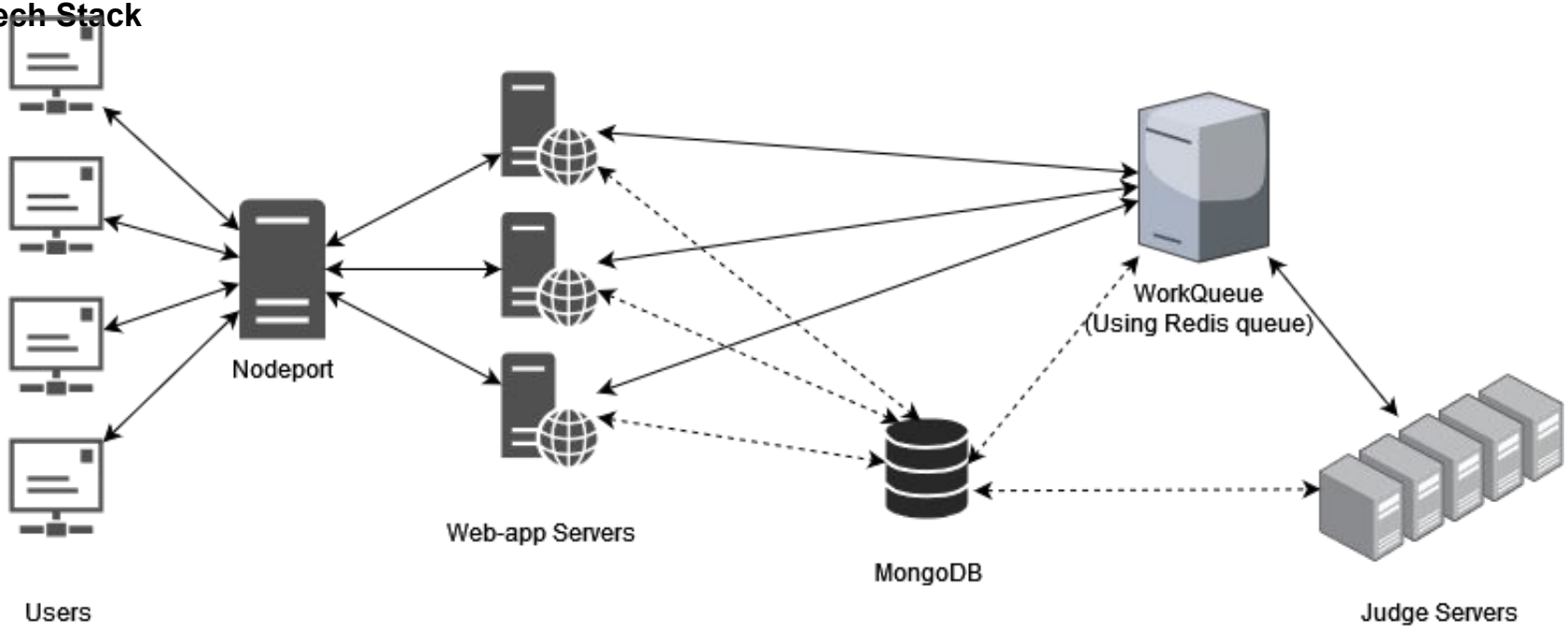
Identify the Problem:
In programming we often use such online judging such as informatics, Timus or CodeForces.
Their format negatively impacts engagement and that makes the new students disinterested in olympiad-programming.

Solution Description:
Create an engaging experience for solving tasks.
Give the teachers the means to create a fun and gamified activity for their students.

Cool photo here
Change the text to notes and points

Benefits to Users:
In an era of small attention span, we need to make the learning as engaging as possible to catch attention. For that, the students get to interact with the system in fun ways and the teachers get to have a friendly interface that helps manage the possible activities for any part of the contest.
This enhances the experience tenfold!

Tech Stack



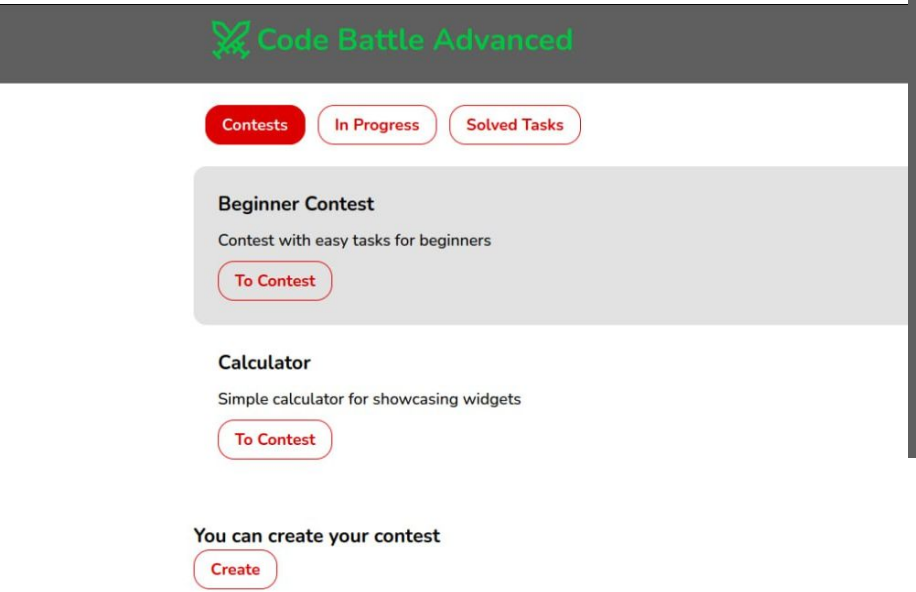
Our project consists of 5 main parts which needed to be worked on: the website code, the website appearance, the contest management code. the judging of tasks and system administration.

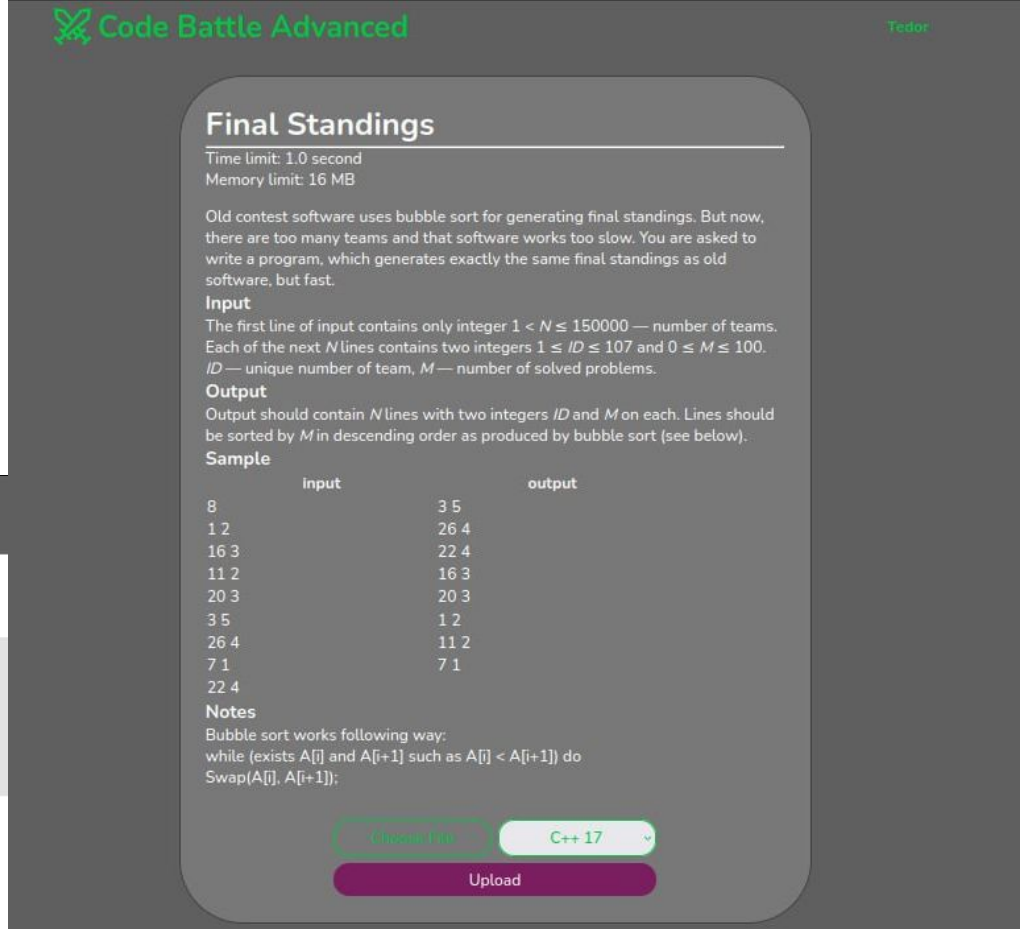
Python + Flask + HTML for the website, designed in Figma and connected with CSS
The contest management is in Python + MongoDB
Judgement is Python+Bash+MongoDB and also Redis work queue to be better
Kubernetes (Minikube) to connect and dockerize it all

The MVP showcase

Add all features and small videos explaining them

Get some photos of the internals, mostly minikube and frontend gimmicks



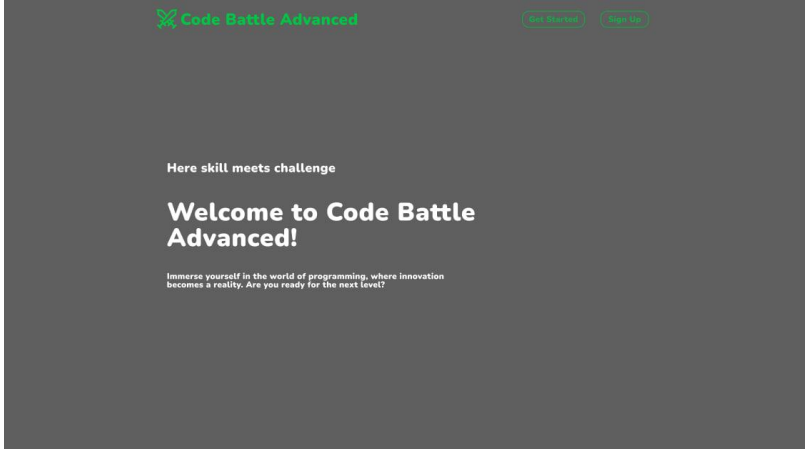


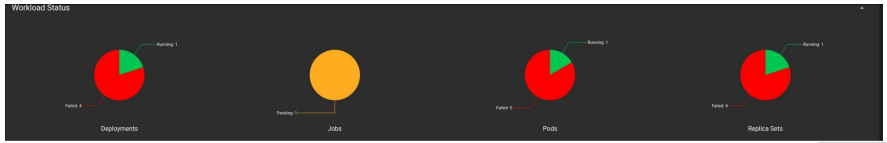
Make sure to distribute the talk between the team to make for a better experience

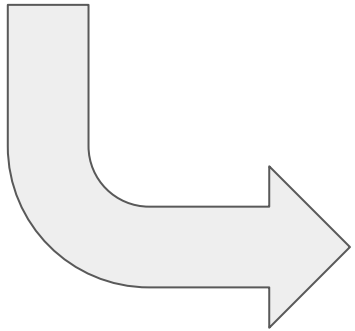
Feedback

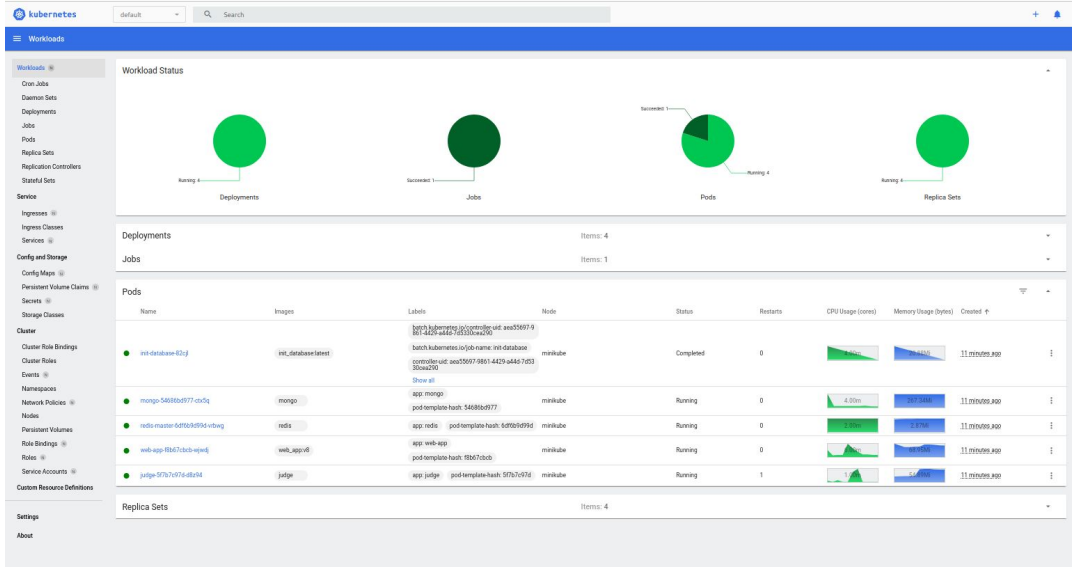
It will be easier to integrate it with the previous week's showcase, since they are close by

Eww ->









Milestones

This part needs a lot of designing and I will do it very happily