



I KNOW
WHAT YOU DID
LAST SUMMER

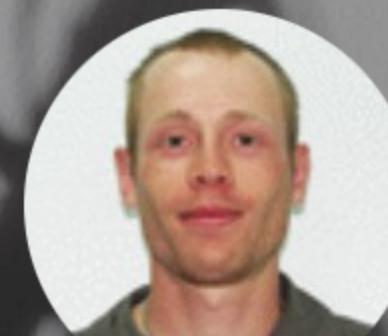
Команда



Каролина



Толик



Саша



Влад



Артём



Лёша

Проблема





i

Этот робот с растением следует за солнечным светом и начинает раздражаться, если ты не поливаешь его

Мой робот через 2 недели:



ТЫ МЕНЯ НЕ ПОЛИВАЛ,
А ТЕПЕРЬ Я ЗАЛЬЮ ВСЮ
ЗЕМЛЮ КРОВЬЮ ЛЮДЕЙ

The screenshot shows a desktop browser window titled "Croton App" with the URL "croton.cf". The page features a large background image of various plants. Overlaid on the image is the text "YOUR PLANTS ARE SAFE NOW" in large white capital letters. At the top right, there is a user profile section with the name "Abraham Beetlejuice" and a "Sign Out" button. The navigation bar includes links for "Features", "About", and "Services". Below the main image, there is a section titled "FEATURES" with three items: "ADD plants and schedule watering", "TRACK when to water", and "SAFE your plants from dying". A subtext below the features reads: "All you need for your plant is your concern. We remind you that your plant needs your attention."

Croton
CARE. FREE.

Features About Services

Abraham Beetlejuice Sign Out

YOUR PLANTS ARE SAFE NOW

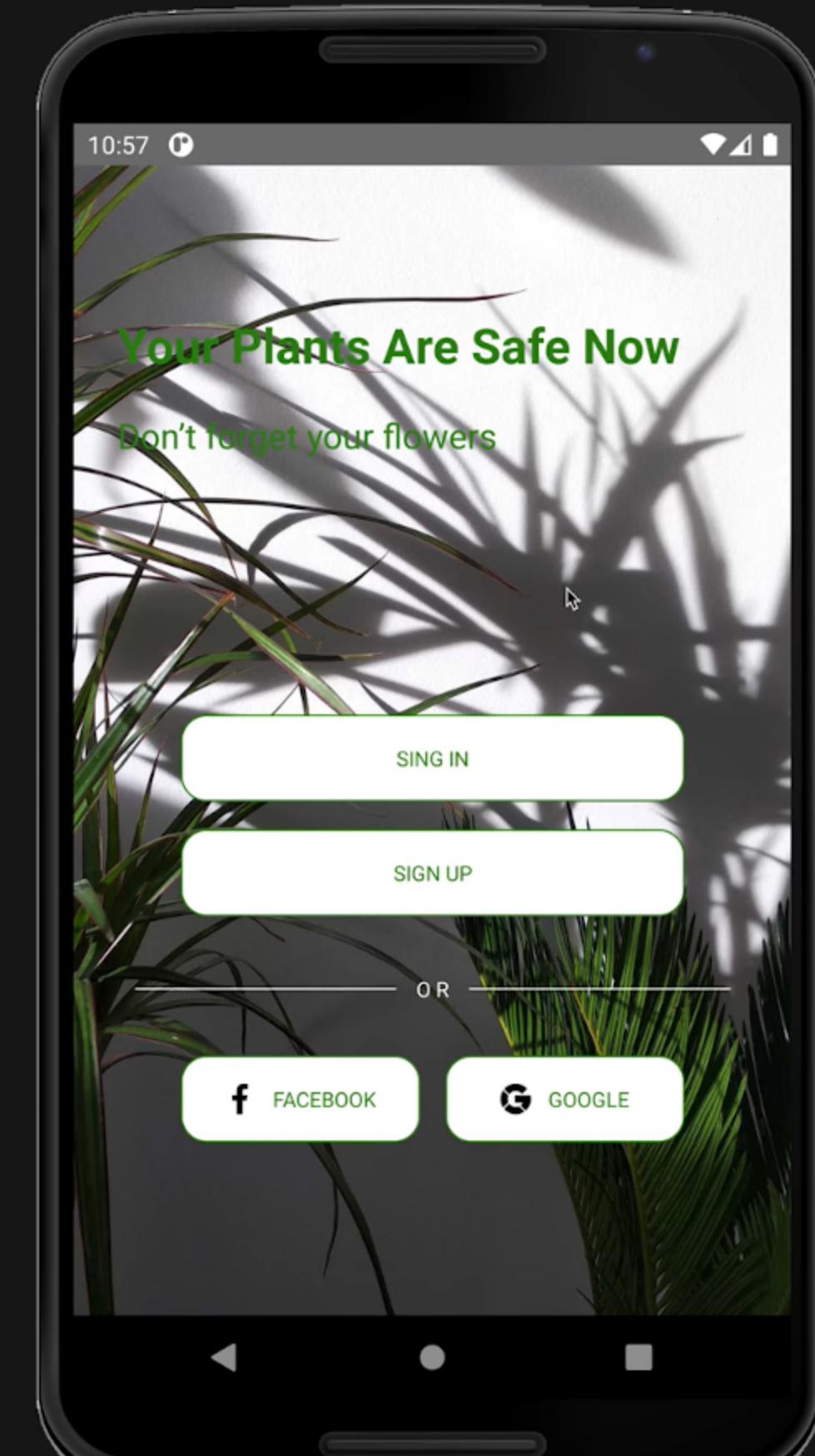
FEATURES

All you need for your plant is your concern. We remind you that your plant needs your attention.

ADD plants and schedule watering

TRACK when to water

SAFE your plants from dying

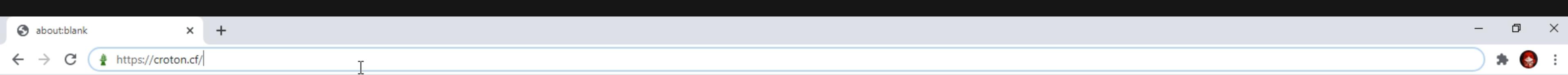


Обзор функциональности

- Регистрация, аутентификация, авторизация
- Управление пользователями
- Управление полками
- Управление цветами на полках
- Уход за цветами

Обзор сценариев

- Регистрация, подтверждение имейла, логин, восстановление пароля
- Логин через соцсети, связывание профиля с соцсетями
- Профиль пользователя, редактирование, изменение имейла
- Создание/редактирование/удаление полки
- Приглашение помощников для ухода за цветами на полке
- Создание/редактирование/удаление цветка, планирование ухода
- Совершение действий в соответствии с расписанием
- Галерея фотографий любимого цветка
- Перемещение цветка между полками
- Статистика, журнал действий
- Уведомления



[Features](#) [About](#) [Services](#)[Abraham Lincoln](#) [Sign Out](#)[Profile](#) [Shelves](#)

My Shelves

[+ Add Shelf](#)



Wooden Shelf

📍 K-14

The high one in the corner

[Edit Shelf](#)[Delete Shelf](#)[Users](#)[+ Add Flower](#)

[Features](#) [About](#) [Services](#)[Abraham Beetlejuice](#) [Sign Out](#)[Profile](#) [Shelves](#)

🌿 Wooden Shelf

📍 K-14

The high one in the corner

[Edit Shelf](#)[Delete Shelf](#)[Users](#) [Add Flower](#)

[Edit Flower](#)[Delete Flower](#)[Move Flower](#)[Add Image](#)

Watering	Mark Performed
Hydration	Mark Performed
Fertilizing	Mark Performed



Statistics

Metric	Watering	Hydration	Fertilizing
Current Times Missed	0	0	0
Total Actions Performed	0	0	0
Late Actions	0	0	0





The Best Flower

[Edit Flower](#)[Delete Flower](#)[Move Flower](#)[Add Image](#)

 Watering: every 3 days	Mark Performed
 Hydration: every week on Tuesday, Friday	Mark Performed
 Fertilizing: every 2 months on Friday	Mark Performed

	May	Jun	Jul	Aug	Sep	Oct
Mon						
Wed						
Fri						

Statistics

Metric	Watering	Hydration	Fertilizing
Current Times Missed	0	0	0
Total Actions Performed	1	0	0
Late Actions	0	0	0



Croton

The Best Flower

[Edit Flower](#)[Delete Flower](#)[Move Flower](#)[Add Image](#)

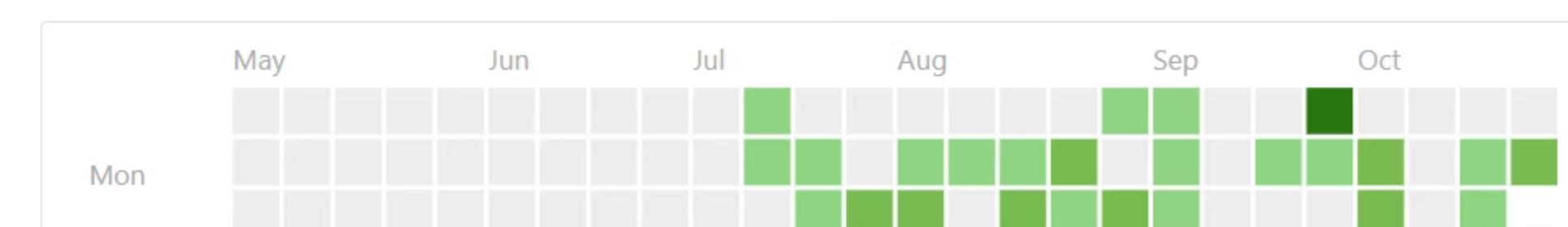
Watering: every 2 days

[Mark Performed](#)

Hydration: every week on Tuesday, Friday

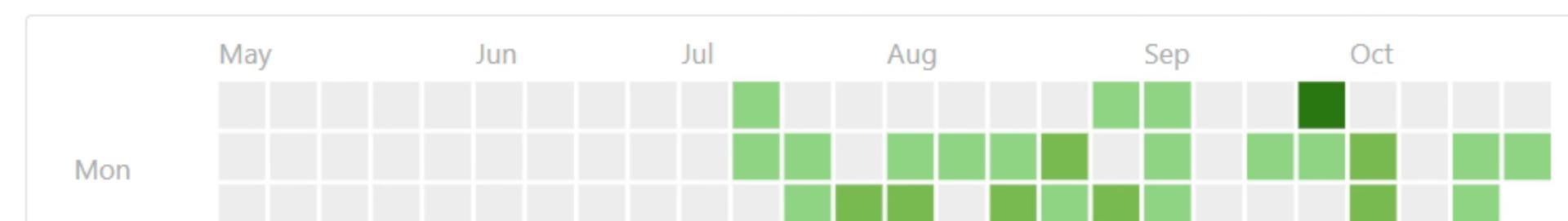
[Mark Performed](#)

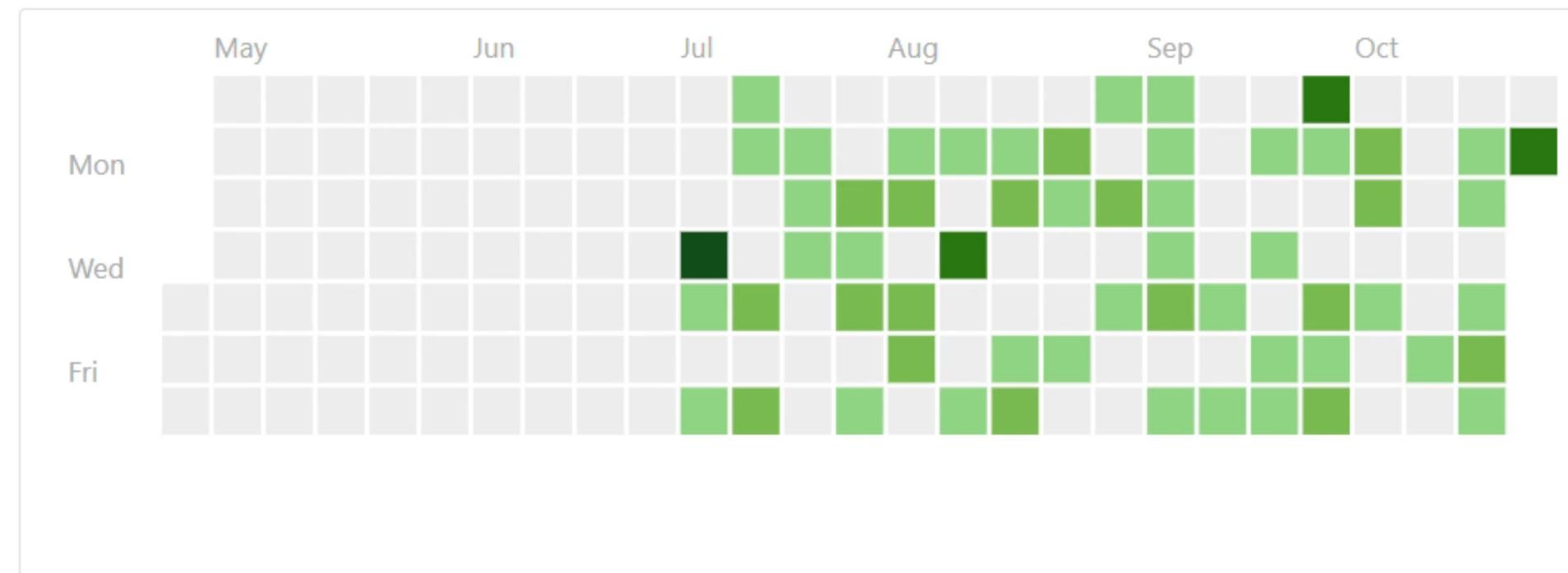
Fertilizing: every month on Friday

[Mark Performed](#)

 Croton

The Best Flower

[Edit Flower](#)[Delete Flower](#)[Move Flower](#)[Add Image](#) **Watering:** every 2 days[Mark Performed](#) **Hydration:** every week on Tuesday, Friday[Mark Performed](#) **Fertilizing:** every month on Friday[Mark Performed](#)

 Fertilizing: every month on Friday
Mark Performed

Statistics

Metric	Watering	Hydration	Fertilizing
Current Times Missed	0	0	0
Total Actions Performed	58	24	2
Late Actions	12	6	1
Late Actions Percentage	20.69%	25.00%	50.00%
Total Times Missed	17	18	2
Max Times Missed	3	7	2
Average Times Missed	0.29	0.75	1.00
Total Overdue Hours	1030.29	1815.72	1594.38
Max Overdue Hours	159.04	665.52	1594.38
Average Overdue Hours	17.76	75.66	797.19

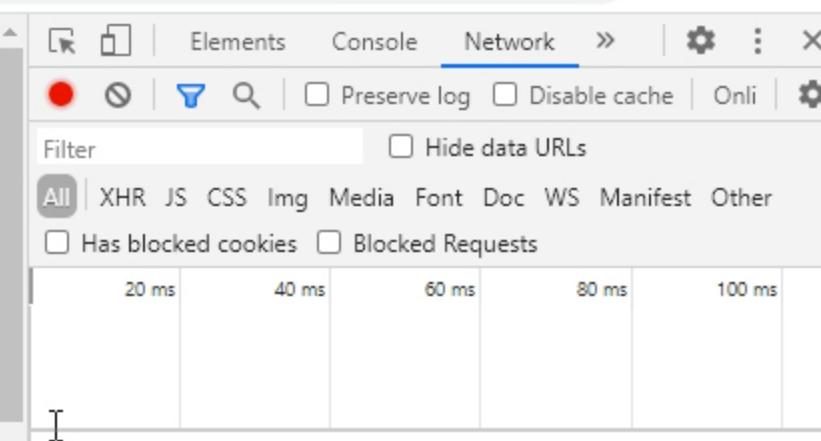
Actions Log

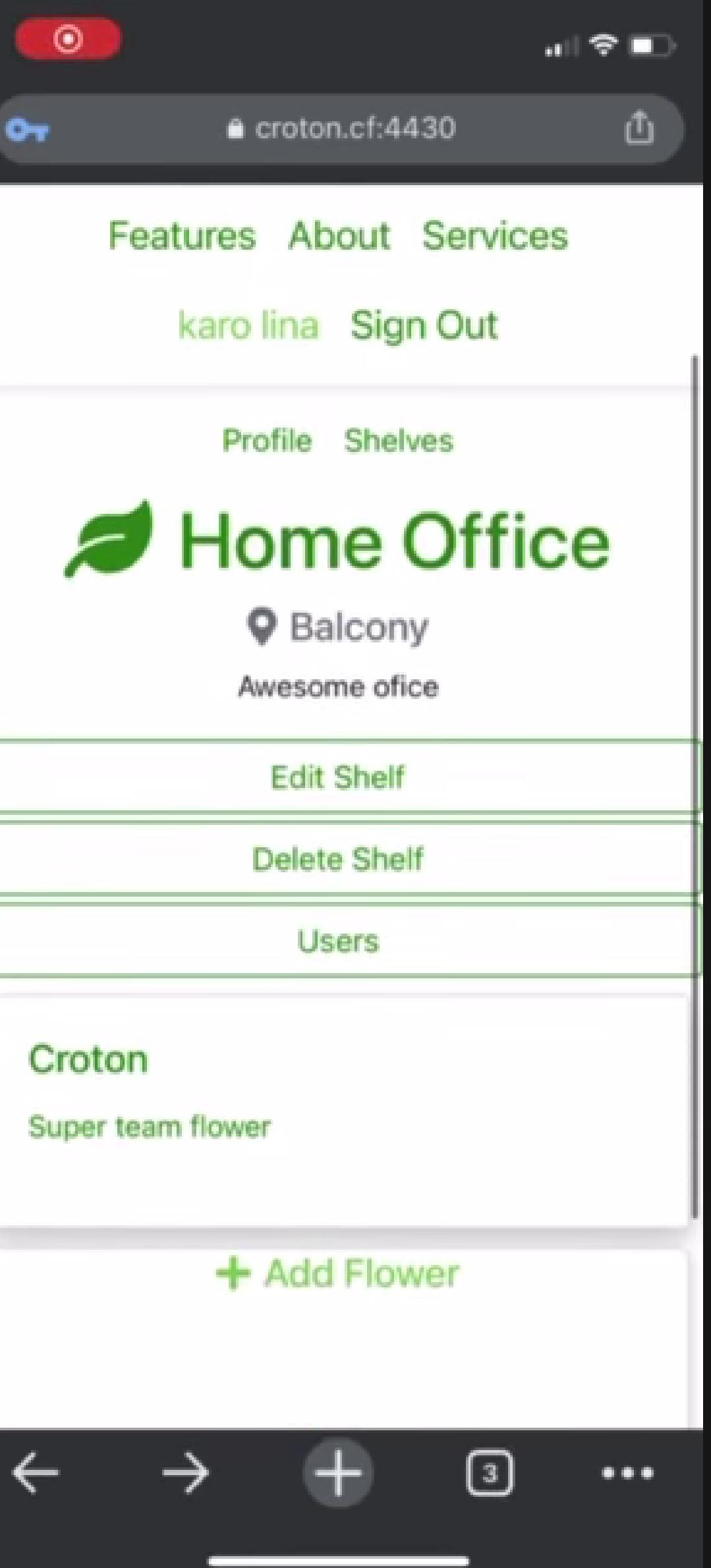
[Features](#) [About](#) [Services](#)[Profile](#) [Shelves](#)[Abraham Beetlejuice](#) [Sign Out](#)

The Best Flower

[Edit Flower](#)[Delete Flower](#)[Move Flower](#)[Add Image](#)

Recording network activity...

Perform a request or hit **Ctrl + R** to record the reload.[Learn more](#) **Watering:** every 2 days[Mark Performed](#) **Hydration:** every week on Tuesday, Friday[Mark Performed](#) **Fertilizing:** every month on Friday[Mark Performed](#)



Web Tech Stack

- TypeScript
- React, Hooks, create-react-app
- Redux, redux-persist, reselect
- react-redux, redux-saga, connected-react-router
- jest, @testing-library/react, redux-saga-test-plan
- axios, react-facebook-login, react-google-login
- react-bootstrap, react-calendar-heatmap, react-tooltip
- rrule, react-rrule-generator

RRule

 Watering: every 2 days	<button>Mark Performed</button>
 Hydration: every week on Tuesday, Friday	<button>Mark Performed</button>
 Fertilizing: every month on Friday	<button>Mark Performed</button>

```
{  
  "rrules": {  
    "watering": "DTSTART:20200701T005042Z\\nRRULE:FREQ=DAILY;INTERVAL=2",  
    "hydration": "DTSTART:20200701T005048Z\\nRRULE:FREQ=WEEKLY;INTERVAL=1;BYDAY=TU,FR",  
    "fertilizing": "DTSTART:20200701T005059Z\\nRRULE:FREQ=MONTHLY;INTERVAL=1;BYSETPOS=2;BYDAY=FR"  
  }  
}
```

<https://tools.ietf.org/html/rfc5545>

<https://jakubroztocil.github.io/rrule/>

<https://github.com/Fafruch/react-rrule-generator>

Monorepo

This is a monorepo for a `web/mobile/server` development, intending to share as much dependencies and code as possible. Dependencies reside in the root level `node_modules`. Individual packages reside in the `packages` directory:

```
/node_modules // dependecies shared by the packages  
/packages  
  /web        // web code [React]  
  /mobile     // mobile code [React Native]  
  /server     // server code [Node]  
  /core       // logic to be shared between web/mobile/server
```

Run

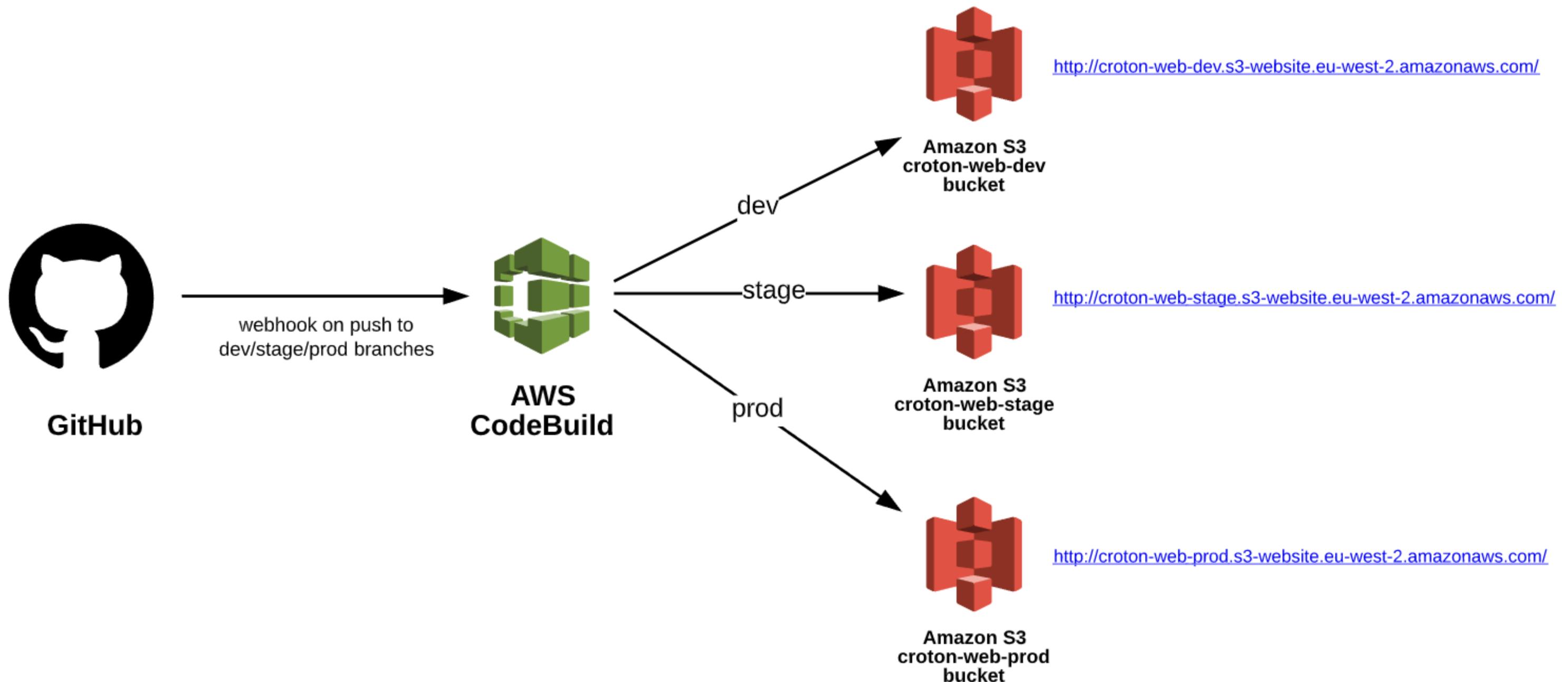
Use root or package level commands to run specific package, e.g. web:

```
[/] yarn workspace web start  
[/packages/web] yarn start
```

Git Branching Strategy

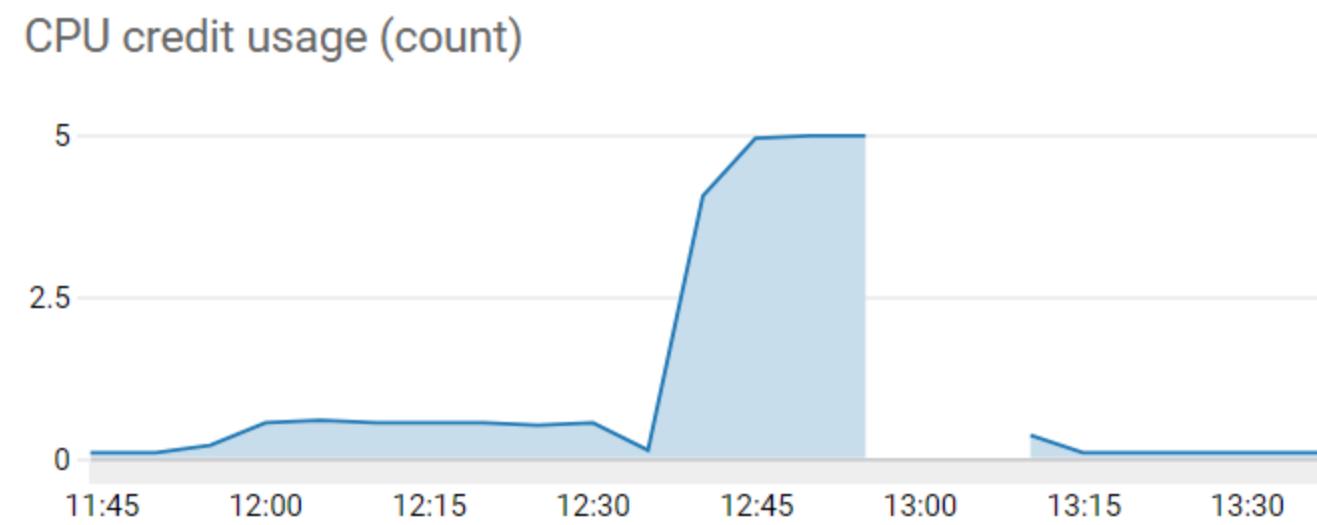
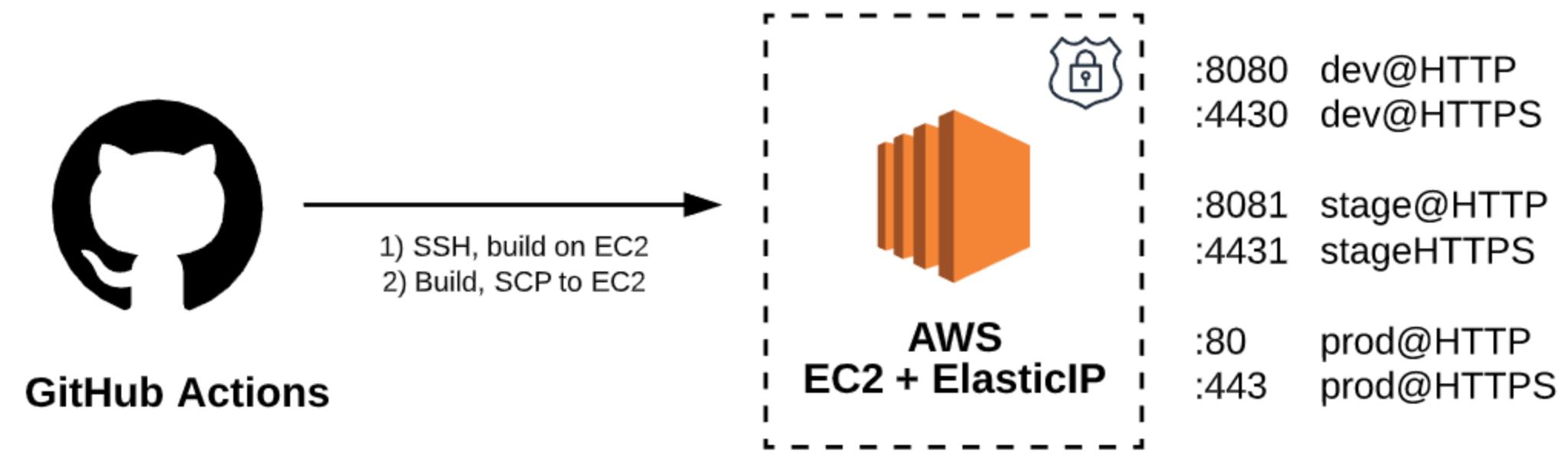
TL;DR: The following branching strategy is used on the project:

- **feat/*, fix/*, chore/*, test/*** (various "feature" branches, rebased to dev branch after review)
- **dev** (auto-deployed to "dev" environment, linear history enforced)
- **stage** (auto-deployed to "stage" environment on merge from dev branch)
- **prod** (auto-deployed to "prod" environment on merge from stage branch)



▷

- AWS S3 Bucket Hosting = No HTTPS support
- Social login: Facebook requires HTTPS, Google requires TLD



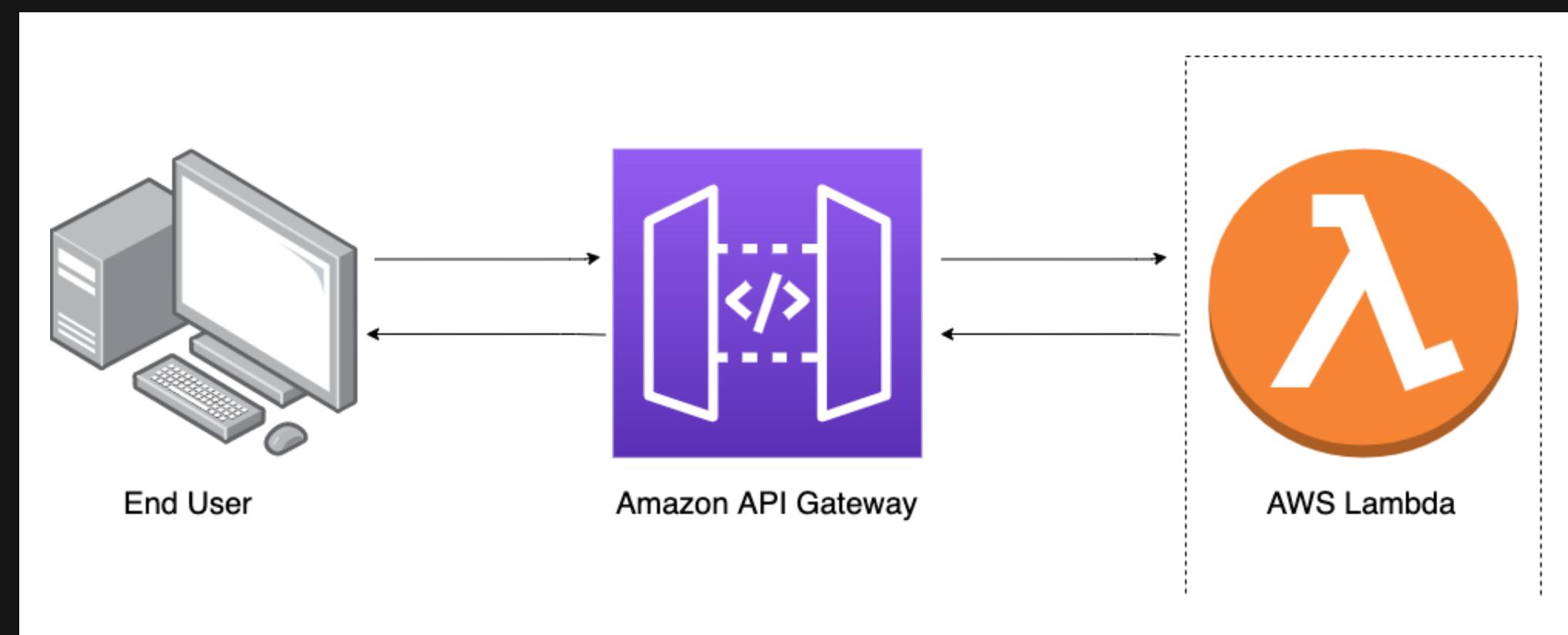
Клавдия Моисеевна



Server

Что завелось без проблем - **всё почти всё**

Проблема раз,
деплой





```
name: CI-server-deploy

on:
  push:
    paths:
      - "packages/server/**"
      - ".github/workflows/**"
    branches:
      - dev
      - stage
      - prod

jobs:
  server-deploy:
    runs-on: ubuntu-latest

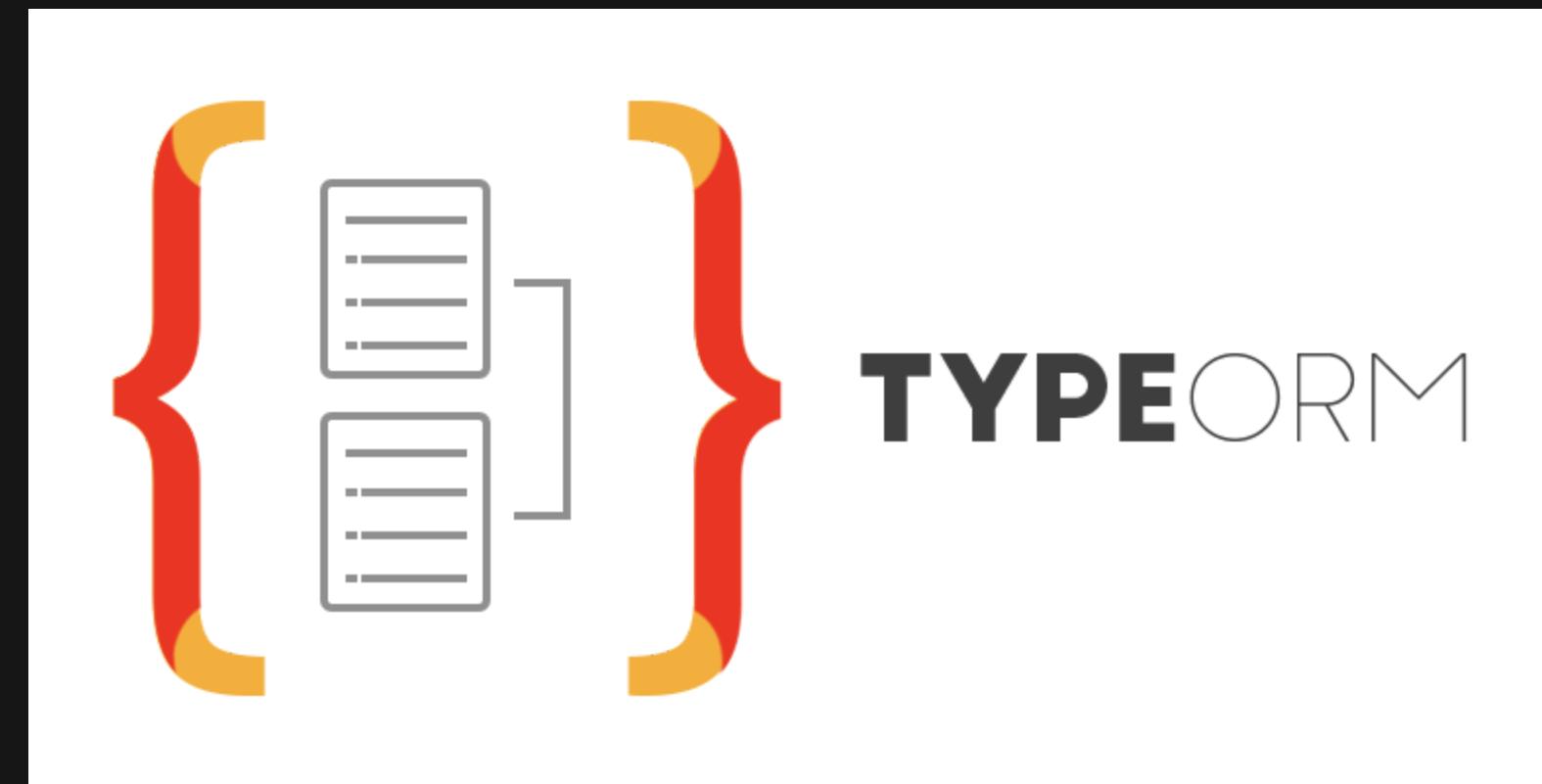
    steps:
      - name: extract branch name
        shell: bash
        run: echo "##[set-output name=branch;]$(echo ${GITHUB_REF#refs/heads/})"
        id: extract_branch
      - name: ssh, fetch repo, build, restart service
        uses: appleboy/ssh-action@master
        with:
          host: ${{ secrets.SSH_HOST }}
          username: ${{ secrets.SSH_USERNAME }}
          key: ${{ secrets.SSH_KEY }}
          port: ${{ secrets.SSH_PORT }}
          script: |
            echo ${{ steps.extract_branch.outputs.branch }}
            cd /var/www/croton-server-${{ steps.extract_branch.outputs.branch }}
            git fetch origin
            git checkout ${{ steps.extract_branch.outputs.branch }}
            git reset --hard origin/${{ steps.extract_branch.outputs.branch }}
            yarn workspace server install
            yarn workspace server build
            yarn workspace server migration:run:linux
            sudo systemctl restart croton-server-${{ steps.extract_branch.outputs.branch }}
```

```
ubuntu@ip-172-31-47-189:~$ sudo systemctl status croton-server-prod
● croton-server-prod.service - croton-server-prod
   Loaded: loaded (/etc/systemd/system/croton-server-prod.service; disabled; vendor preset: enabled)
   Active: active (running) since Mon 2020-10-19 09:49:43 UTC; 12s ago
     Main PID: 19910 (node)
        Tasks: 11 (limit: 1136)
       CGroup: /system.slice/croton-server-prod.service
               └─19910 node /var/www/croton-server-prod/packages/server/server.js

Oct 19 09:49:43 ip-172-31-47-189 systemd[1]: Stopped croton-server-prod.
Oct 19 09:49:43 ip-172-31-47-189 systemd[1]: Started croton-server-prod.
Oct 19 09:49:45 ip-172-31-47-189 server.js[19910]: Validating env params...
Oct 19 09:49:45 ip-172-31-47-189 server.js[19910]: Connecting to DB...
Oct 19 09:49:46 ip-172-31-47-189 server.js[19910]: Connected to DB!
Oct 19 09:49:46 ip-172-31-47-189 server.js[19910]: Http server is UP and listening to the port 3002
Oct 19 09:49:46 ip-172-31-47-189 server.js[19910]:Https server is UP and listening to the port 4002
ubuntu@ip-172-31-47-189:~$ sudo systemctl status croton-server-dev
● croton-server-dev.service - croton-server-dev
   Loaded: loaded (/etc/systemd/system/croton-server-dev.service; disabled; vendor preset: enabled)
   Active: active (running) since Mon 2020-10-19 09:49:53 UTC; 7s ago
     Main PID: 19957 (node)
        Tasks: 11 (limit: 1136)
       CGroup: /system.slice/croton-server-dev.service
               └─19957 node /var/www/croton-server-dev/packages/server/server.js

Oct 19 09:49:53 ip-172-31-47-189 systemd[1]: Stopped croton-server-dev.
Oct 19 09:49:53 ip-172-31-47-189 systemd[1]: Started croton-server-dev.
Oct 19 09:49:55 ip-172-31-47-189 server.js[19957]: Validating env params...
Oct 19 09:49:55 ip-172-31-47-189 server.js[19957]: Connecting to DB...
Oct 19 09:49:55 ip-172-31-47-189 server.js[19957]: Connected to DB!
Oct 19 09:49:56 ip-172-31-47-189 server.js[19957]: Http server is UP and listening to the port 3000
Oct 19 09:49:56 ip-172-31-47-189 server.js[19957]:Https server is UP and listening to the port 4000
ubuntu@ip-172-31-47-189:~$ | Помоду – спорное решение сомнительным выхлопом, особенно учитывая ширину линий
```

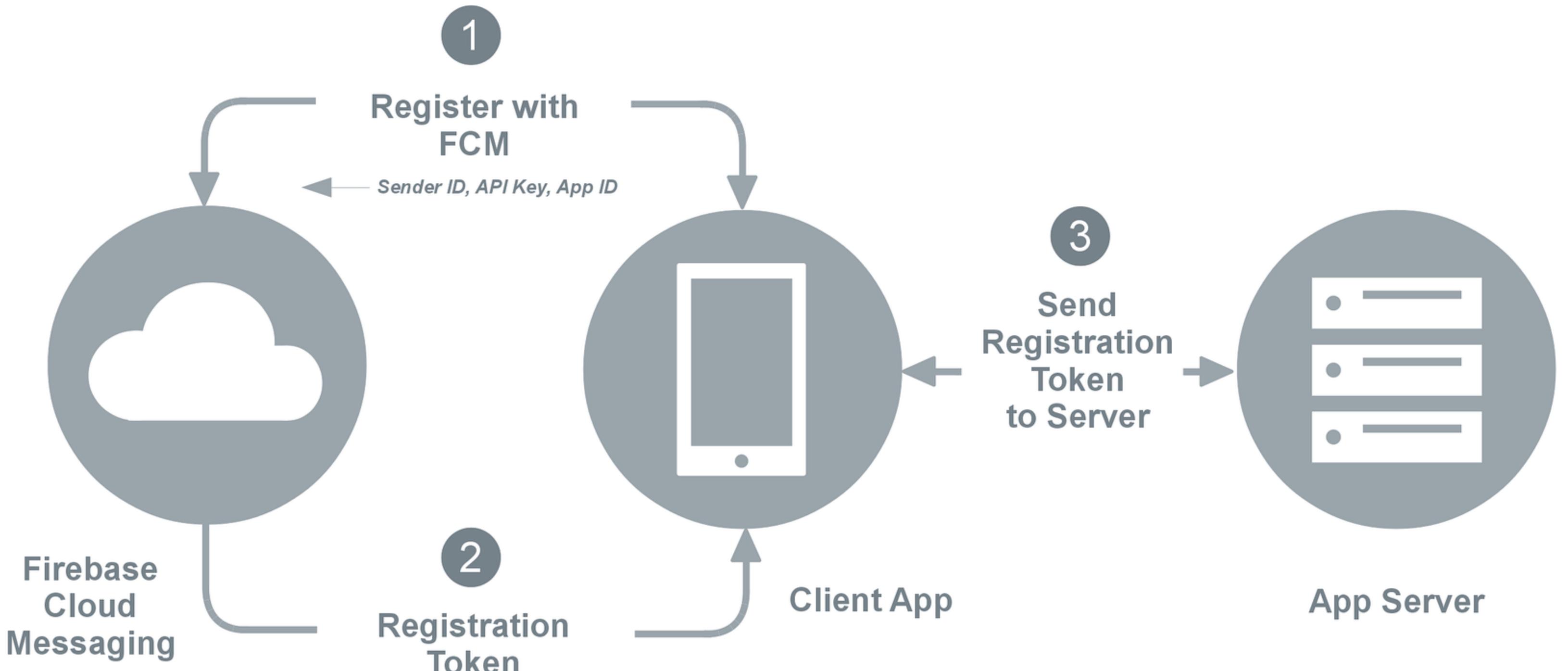
**Проблема два,
миграции**

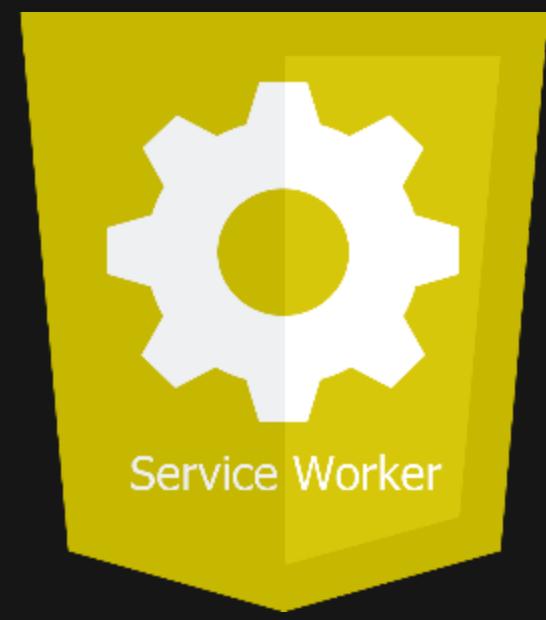




```
1 import { MigrationInterface, QueryRunner } from 'typeorm';
2
3 export class migration1599305430325 implements MigrationInterface {
4   name = 'migration1599305430325'
5
6   public async up(queryRunner: QueryRunner): Promise<void> {
7     await queryRunner.query('CREATE TABLE "image" ("id" SERIAL NOT NULL, "image" character varying NOT NULL, "flowerId" integer');
8     await queryRunner.query('ALTER TABLE "flower" DROP COLUMN "pictureUrls"');
9     await queryRunner.query('ALTER TABLE "image" ADD CONSTRAINT "FK_c991106a2894201723002b8a29f" FOREIGN KEY ("flowerId") REFERENCES "flower"("id")');
10  }
11
12  public async down(queryRunner: QueryRunner): Promise<void> {
13    await queryRunner.query('ALTER TABLE "image" DROP CONSTRAINT "FK_c991106a2894201723002b8a29f"');
14    await queryRunner.query('ALTER TABLE "flower" ADD "pictureUrls" text NOT NULL');
15    await queryRunner.query('DROP TABLE "image"');
16  }
17
18 }
19
```

**Проблема три,
сервис воркеры**





- **Insecure origins treated as secure**

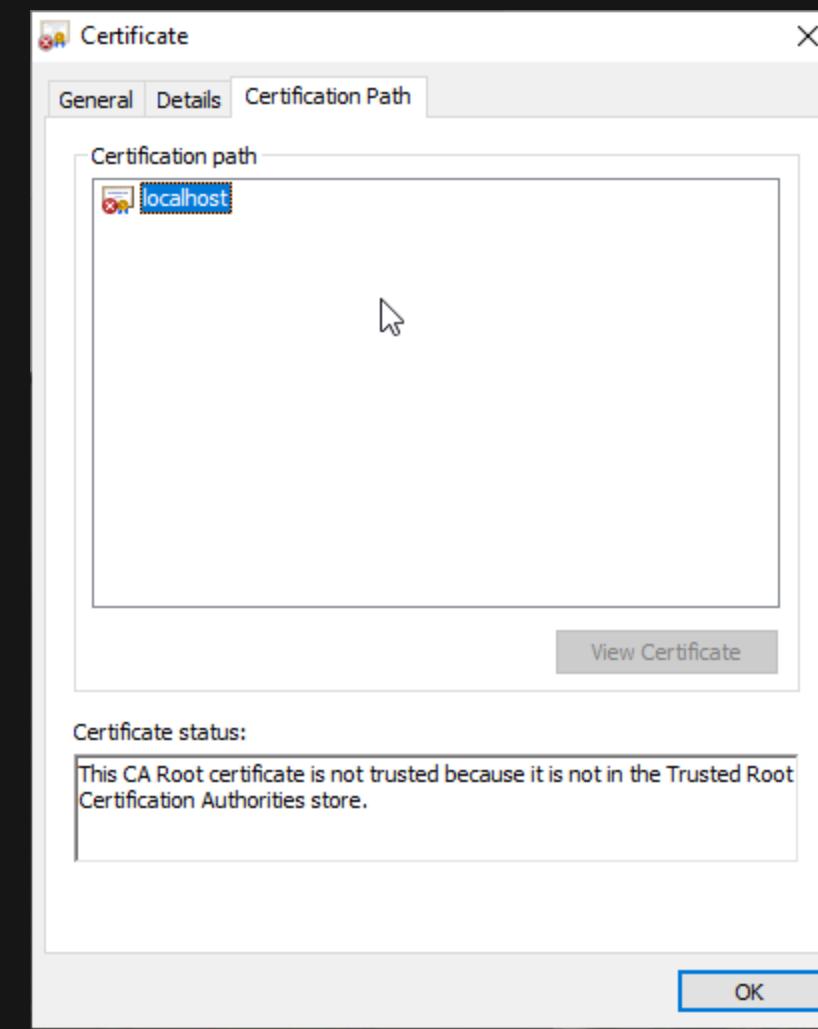
Treat given (insecure) origins as secure origins. Multiple origins can be supplied as a comma-separated list. For the definition of secure contexts, see

<https://w3c.github.io/webappsec-secure-contexts/> – Mac, Windows, Linux, Chrome OS, Android

Enabled

```
http://192.168.1.106
```

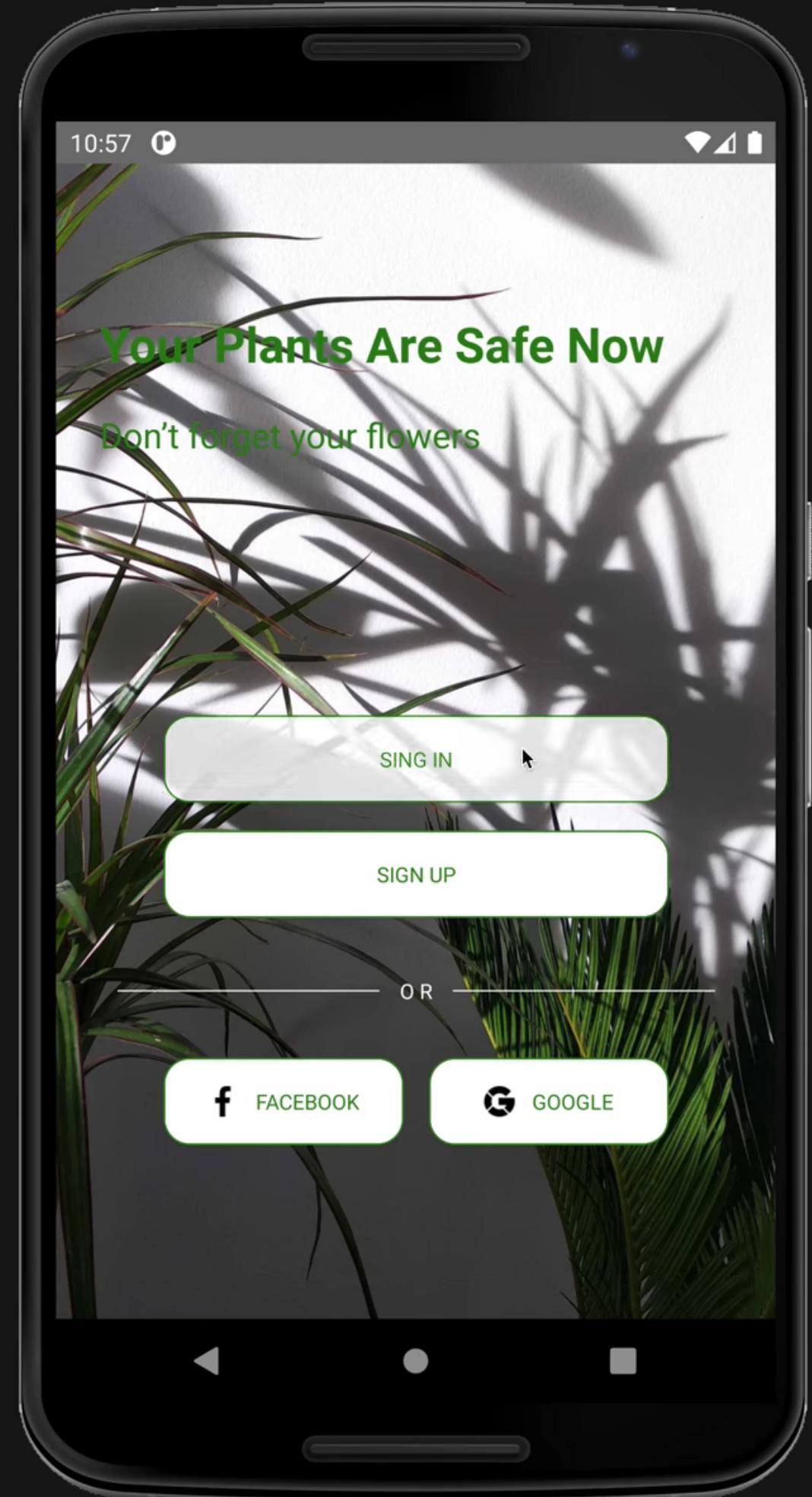
[#unsafely-treat-insecure-origin-as-secure](#)



Mobile

Коротко о проекте?

Было круто!



Задача

- Просто развернуть проект
- Просто догнать ребят
- Просто запилить рабочий прототип для мобайла

Но...

#1 Активация пользователя

Проблема

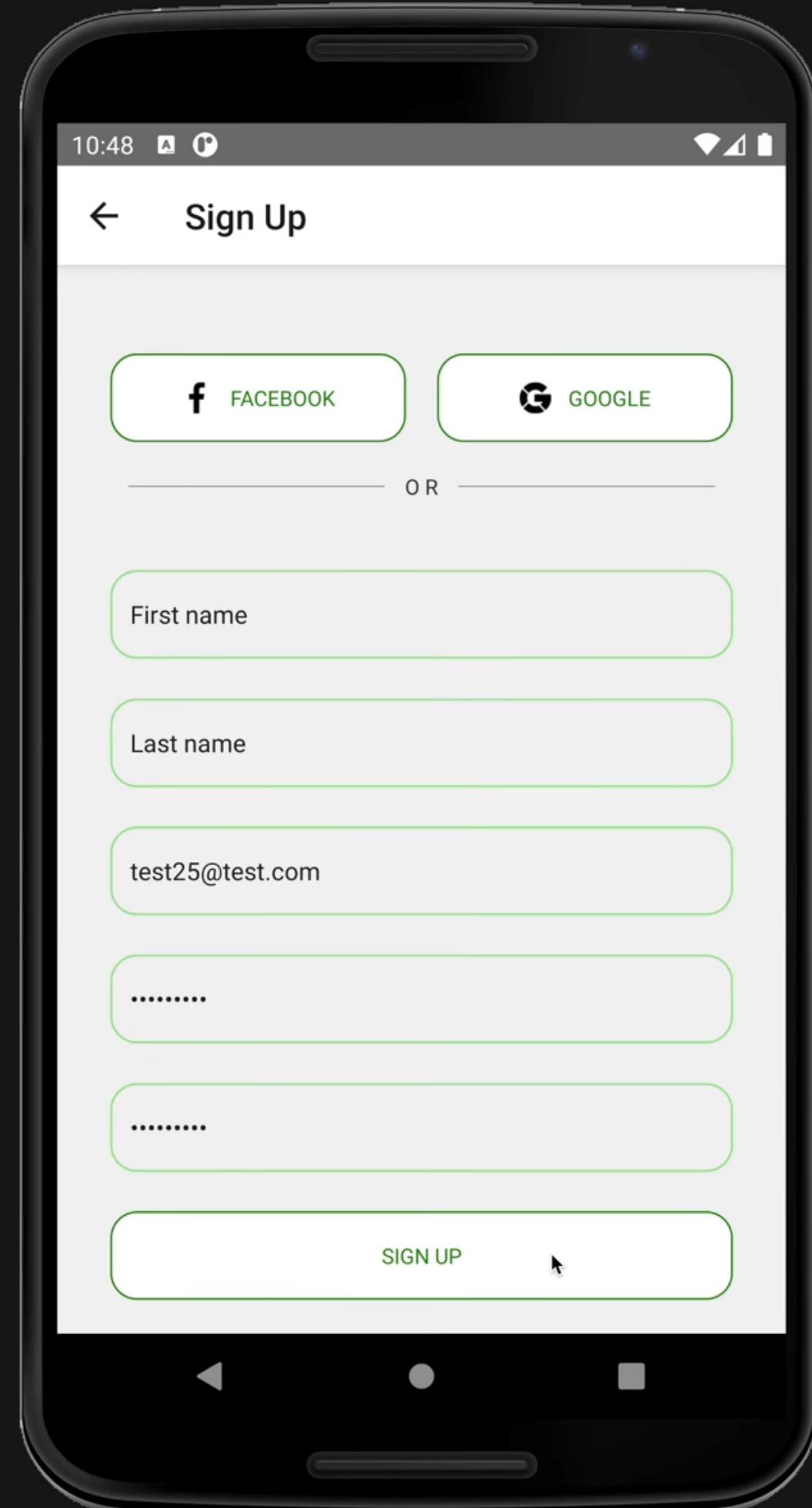
5 шагов, 2-3 приложения

Решение

Пуш-нотификация с кодом активации

Результат

3 шага, 1 приложение



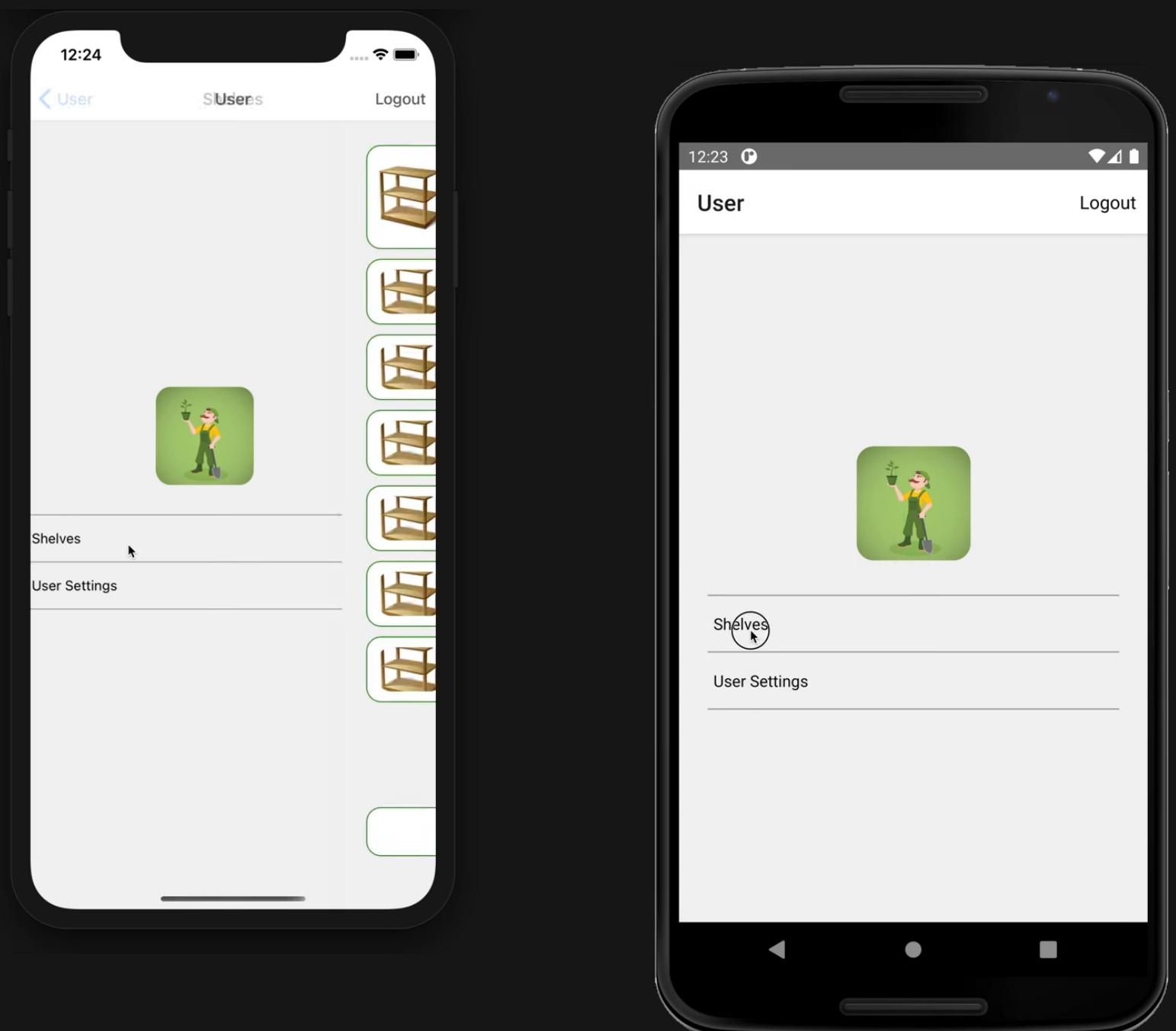
#2 Кроссплатформенность

Проблема

Внешние отличия компонентов

Решение

- Сравнивать
- Поправлять
- Сравнивать



Результат

Но начинаешь искать UX/UI-дизайнера

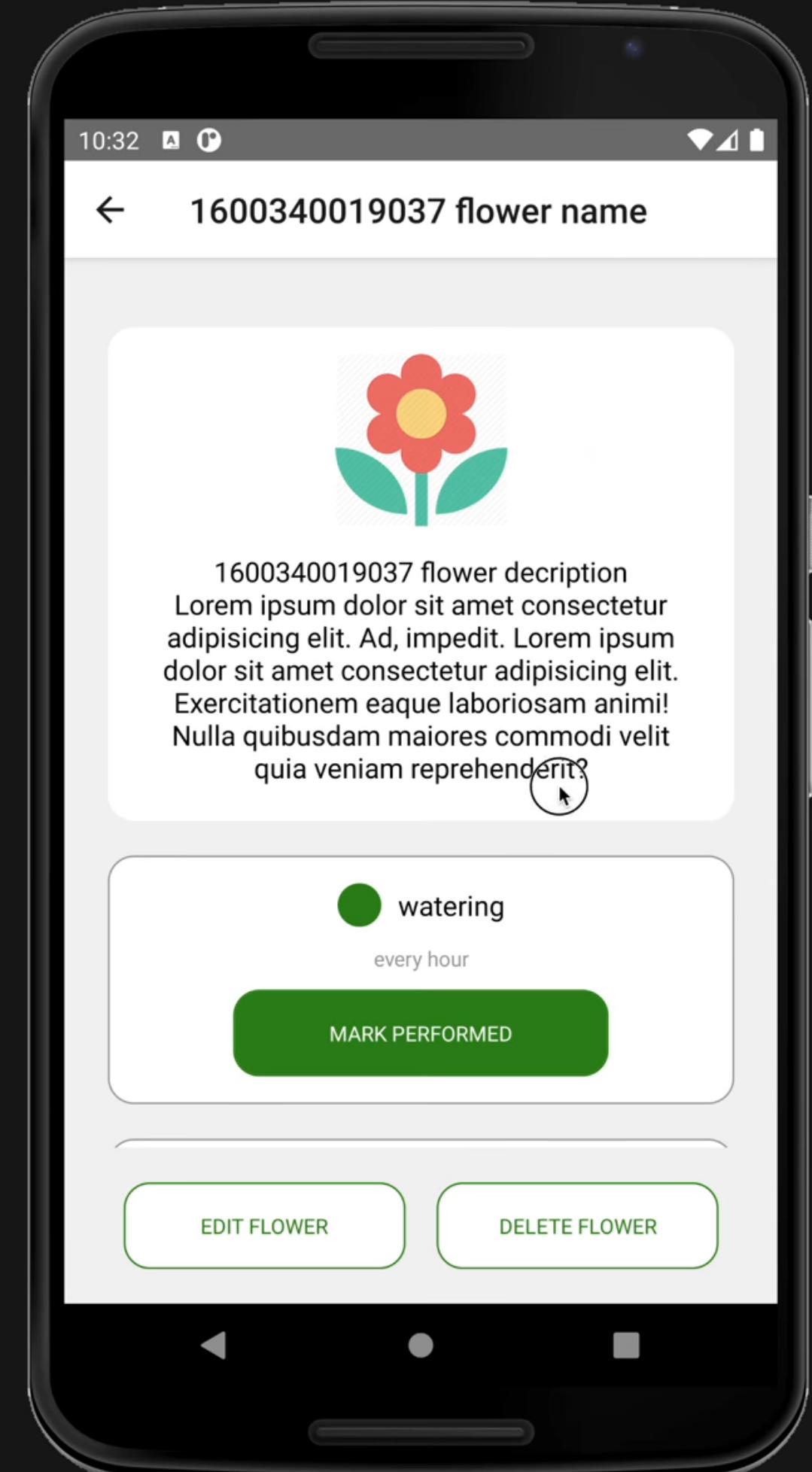
#3 Интеграция с RRule

Решение

- Смотрим как работает RRule Generator
- Создаем компоненты с нужным функционалом

Результат

- Одинаковые форматы
- Нет проблем с расписанием



#4 Формирование рамок

Решение

- Разделять базовый функционал от новых фич
- Совместное решение честно остановиться



Результат

- Общение и веселье в команде
- Опыт быстрого освоения нового
- Азарт
- Рабочий прототип продукта, который каждый может подпилить под себя

Ограничения: Время



DHL

Ограничения: Пространство





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Contributing

We love pull requests from everyone. By participating in this project, you agree with our [license](#).

Acceptable pull request must have:

- follow our [PR recommendations](#).
- code must follow our [Style Guides](#).



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Всё будет Кротон!

