

# OwnPhotos Week 1

Team 3



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# Team Members

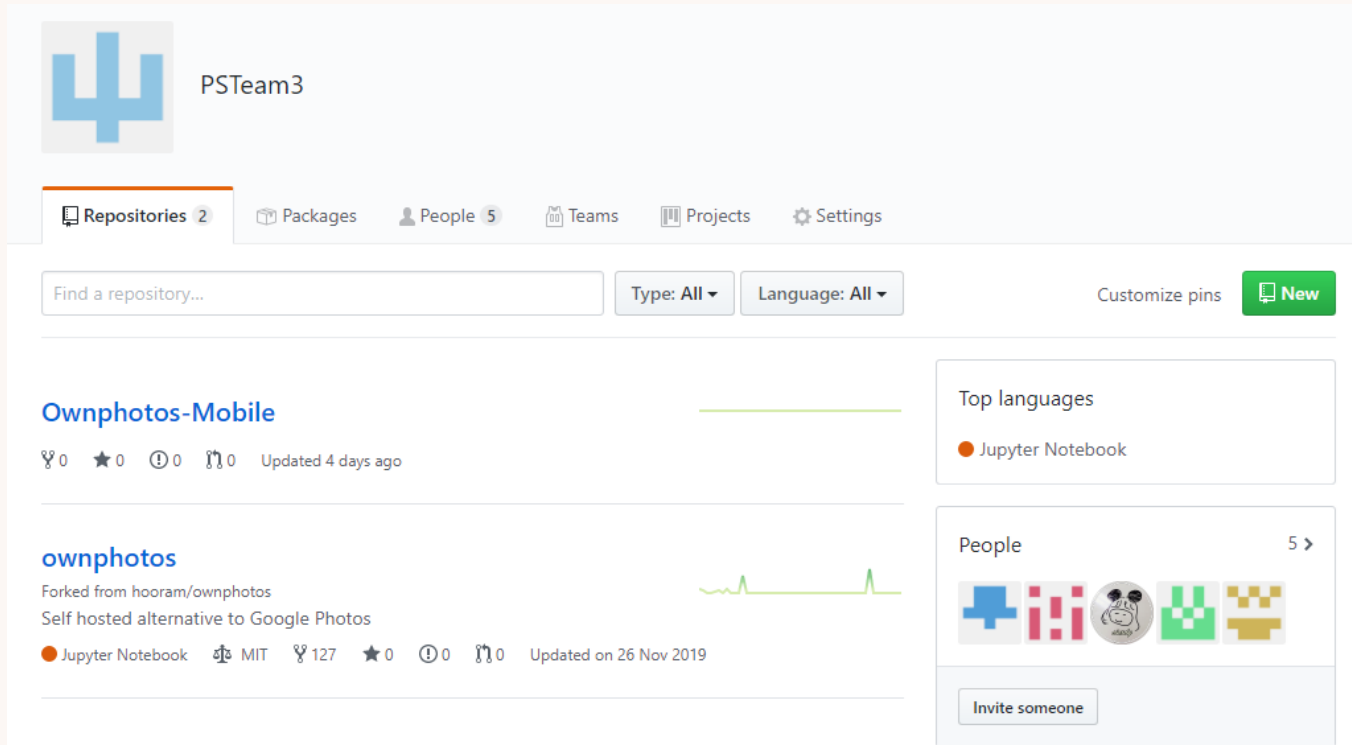
- Frontend Web
  - Sally
  - Liz
- Backend
  - DongMin
- Mobile
  - MinJae
  - Cindy

# What we did

- All
  - make a role
  - create git repository
  - launch the OwnPhotos
  - write the business canvas
- Frontend Web
  - setup reactJS environment
- Backend
  - setup git branch
- Mobile
  - install and setup flutter

# What we did - All

- create git repository



The screenshot shows the GitHub profile page for a user named PSteam3. The profile picture is a blue logo consisting of three vertical bars of varying heights. The navigation bar includes links for Repositories (2), Packages, People (5), Teams, Projects, and Settings. Below the navigation bar is a search bar for repositories, filters for Type and Language, and a 'New' button. The main content area displays two repository cards. The first card is for 'Ownphotos-Mobile', which has 0 forks, 0 stars, 0 issues, and 0 pull requests, and was updated 4 days ago. The second card is for 'ownphotos', which is a fork of 'hooram/ownphotos', described as a self-hosted alternative to Google Photos. It has 127 forks, 0 stars, 0 issues, and 0 pull requests, and was updated on 26 Nov 2019. On the right side, there are two sidebars: 'Top languages' showing 'Jupyter Notebook' as the top language, and 'People' showing a list of users who forked the repository, including the PSteam3 user. An 'Invite someone' button is located at the bottom of the 'People' sidebar.

**PSteam3**

Repositories 2 Packages People 5 Teams Projects Settings

Find a repository... Type: All Language: All Customize pins **New**

**Ownphotos-Mobile**  
🍴 0 ★ 0 ⓘ 0 🔗 0 Updated 4 days ago

**ownphotos**  
Forked from hoooram/ownphotos  
Self hosted alternative to Google Photos  
● Jupyter Notebook 📄 MIT 🍴 127 ★ 0 ⓘ 0 🔗 0 Updated on 26 Nov 2019

Top languages  
● Jupyter Notebook

People 5 >  
[PSteam3] [hooram] [PSteam3] [hooram] [PSteam3]

Invite someone

# What we did - All

- launch the OwnPhotos

The screenshot displays the OwnPhotos web application interface. The browser address bar shows the URL `localhost:3000/settings`. The interface is divided into several sections:

- Scan Directory:** A text input field with a "Change" button.
- Nextcloud Credentials:** Fields for "Server address" (with a "https://" prefix), "User name", and "Nextcloud App Password". A blue "Update Nextcloud credentials" button and a "Cancel" button are present.
- Nextcloud Scan Directory:** A text input field with a "Change" button.
- Appearance:** A "Thumbnail size" section with radio buttons for "Big" (selected) and "Small".
- Library:** A dashboard with five summary cards: "0 PHOTOS", "0 PEOPLE", "0 FACES", "0 EVENTS", and "0 DAYS".

The "0 Photos" card contains two buttons: "Scan photos (file system)" (green) and "Scan photos (Nextcloud)" (blue). Below these buttons is a list of instructions:

- Make a list of all .jpg files in subdirectories. For each .jpg file:
  - If the filepath exists in the database, we skip.
  - Calculate a unique ID of the image file (md5)
  - If this image file is already in the database, we skip.
  - Generate a number of thumbnails
  - Generate image captions
  - Extract Exif information
  - Reverse geolocate to get location names from GPS coordinates
  - Extract faces.
- Add photo to thing and place albums.

The "0 Event Albums" card features a "Generate Event Albums" button and a "Regenerate Event Titles" button. Below the buttons is a paragraph: "The backend server will first group photos by time taken. If two consecutive photos are taken within 12 hours of each other, the two photos are considered to be from the same event. After groups are put together in this way, it automatically generates a title for this album."

The "0 Faces, 0 People" card has a "Train Faces" button and a table showing face classification results:

|            |         |
|------------|---------|
| ⚡ Inferred | 0 faces |
| 👤 Labeled  | 0 faces |
| ? Unknown  | 0 faces |

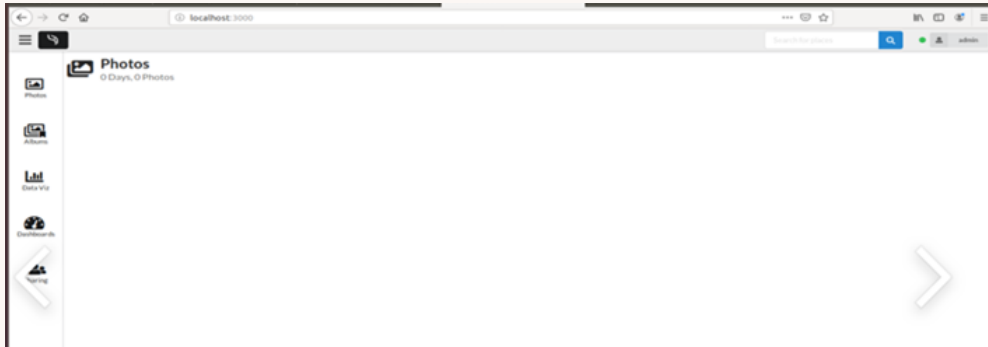
Below the table is a "Face Dashboard" button.

# What we did - All

- difficult
  - launch docker

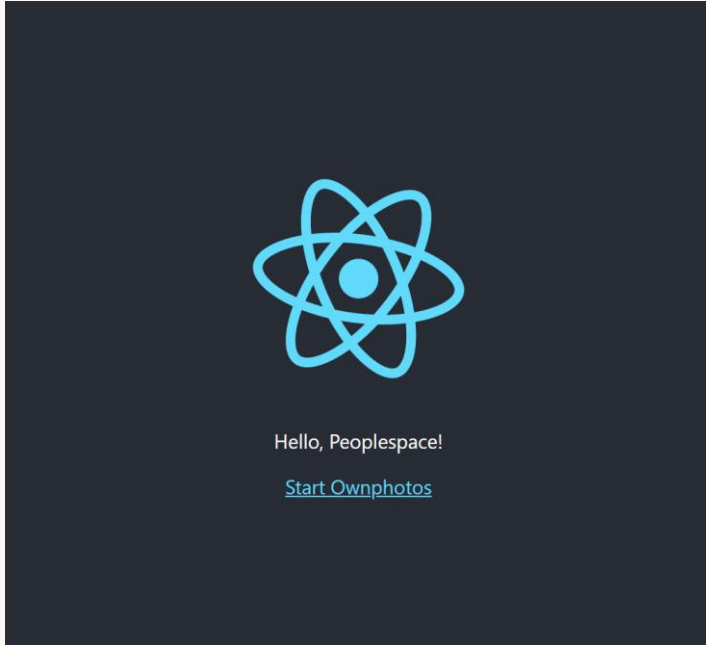
```
05c07e2bce57 postgres docker-encryption:3... 14 m
jin@jin-VirtualBox:~/ownphotos$ docker-compose down
ERROR: Invalid interpolation format for "environment" option in service "backend":
jin@jin-VirtualBox:~/ownphotos$ docker ps
```

- upload photo using “ownphotos”



# What we did - Frontend Web

- setup reactJS environment



```
src > JS Hello.js > ...
1  import React from 'react';
2  import logo from './logo.svg';
3  import './App.css';
4
5  function Hello(){
6    return (
7      <div className="App">
8        <header className="App-header">
9          <img src={logo} className="App-logo" alt="logo"/>
10         <p>Hello, Peoplespace!</p>
11         <a
12           className = "App-link"
13           href="https://reactjs.org"
14           target="_blank"
15           rel="noopener noreferrer">
16           Start Ownphotos
17         </a>
18       </header>
19     </div>
20   );
21 }
22
23 export default Hello;
```



# What we did - Backend

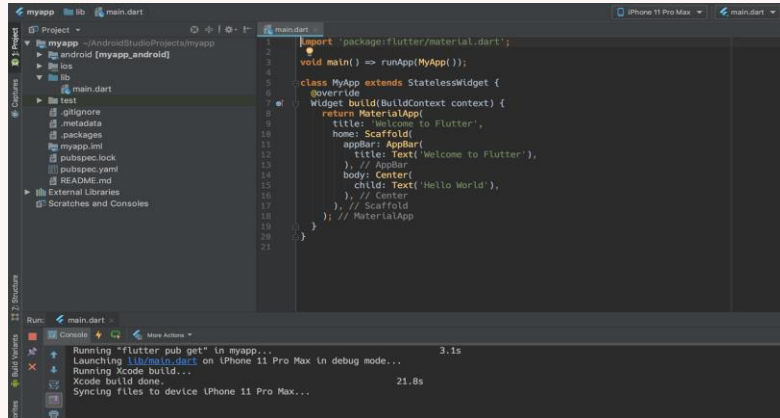
- setup git branch

The screenshot shows the GitHub interface for the repository 'PSTeam3 / Ownphotos-Mobile'. At the top, there are navigation links for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. Below this, there are tabs for 'Overview', 'Yours', 'Active', 'Stale', and 'All branches', along with a search bar for branches. The 'Default branch' section shows 'master' as the default branch, updated 4 days ago by alkyne. The 'Your branches' section lists three branches: 'iiz', 'mobile', and 'frontend', each updated 4 days ago by alkyne. The 'Active branches' section lists four branches: 'support\_more\_file\_formats', 'mobile', 'iiz', and 'frontend', each updated 4 days ago by alkyne. Each branch entry includes a 'New pull request' button and a trash icon.

| Branch Name               | Last Updated       | Author | Actions                        |
|---------------------------|--------------------|--------|--------------------------------|
| master                    | Updated 4 days ago | alkyne | Default, Change default branch |
| iiz                       | Updated 4 days ago | alkyne | New pull request, Delete       |
| mobile                    | Updated 4 days ago | alkyne | New pull request, Delete       |
| frontend                  | Updated 4 days ago | alkyne | New pull request, Delete       |
| support_more_file_formats | Updated 4 days ago | alkyne | New pull request, Delete       |
| mobile                    | Updated 4 days ago | alkyne | New pull request, Delete       |
| iiz                       | Updated 4 days ago | alkyne | New pull request, Delete       |
| frontend                  | Updated 4 days ago | alkyne | New pull request, Delete       |

# What we did - Mobile

- install and setup flutter

A screenshot of an IDE (likely Android Studio) showing the Flutter code for a mobile application. The code is in Dart and defines a StatelessWidget named MyApp. The console at the bottom shows the execution process: running 'flutter pub get', launching the app on an iPhone 11 Pro Max in debug mode, running Xcode build, and syncing files to the device.

```
1 import 'package:flutter/material.dart';
2
3 void main() => runApp(MyApp());
4
5 class MyApp extends StatelessWidget {
6   @override
7   Widget build(BuildContext context) {
8     return MaterialApp(
9       title: 'Welcome to Flutter',
10      home: Scaffold(
11        appBar: AppBar(
12          title: Text('Welcome to Flutter'),
13        ), // AppBar
14        body: Center(
15          child: Text('Hello World'),
16        ), // Center
17      ), // Scaffold
18    ); // MaterialApp
19  }
20 }
21
```



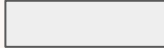




Run: main.dart

Console

- Running "flutter pub get" in myapp... 3.1s
- Launching lib/main.dart on iPhone 11 Pro Max in debug mode...
- Running Xcode build... 21.8s
- Xcode build done.
- Syncing files to device iPhone 11 Pro Max...



# What we have to do (Simplified Gantt Chart)

| Description                                       | Rem Dur | Jan   |   |    |    |    | Feb |    |    |
|---|---------|---|---|----|----|----|-----|----|----|
|   |         | 2   | 9 | 16 | 23 | 30 | 6   | 13 | 20 |
| Start the project                                 |         |      |   |    |    |    |     |    |    |
| Setup development and git environment             | 5       |     |   |    |    |    |     |    |    |
| Create login page to connect to own photo backend | 7       |    |   |    |    |    |     |    |    |
| Create more pages to see photo                    | 14      |    |   |    |    |    |     |    |    |
| Support live photos and another extension         | 20      |    |   |    |    |    |     |    |    |
| Create interface to browse month/year             | 14      |    |   |    |    |    |     |    |    |
| Finish the project                                |         |  |   |    |    |    |     |    |    |

**Thank you for listening**  
**Q&A**