



How to publish a Flutter Web App

- We will use GitHub pages for that
- It offers free web pages
- We use GitHub account fdg2425



Create a new repository on GitHub

Dashboard

Top repositories

Find a repository...

fdg2425/apks

New

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner * Repository name *

fdg2425 / webtest

✓ webtest is available.

Great repository names are short and memorable. Need inspiration? How about [friendly-giggle](#) ?

Description (optional)

used when creating powerpoint 15b

- ☒ Public
Anyone on the internet can see this repository. You choose who can commit.
- ☐ Private
You choose who can see and commit to this repository.

Initialize this repository with:

- ☒ Add a README file
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Create repository



Enable pages

The screenshot shows the GitHub repository settings for a repository named 'webtest' by user 'fdg2425'. The 'Settings' tab is selected in the top navigation bar (1). On the left sidebar, the 'Pages' tab is selected under the 'Code and automation' section (2). The main content area is titled 'GitHub Pages' and explains that it is designed to host personal, organization, or project pages. Under the 'Build and deployment' section, the 'Source' is set to 'Deploy from a branch'. The 'Branch' dropdown is set to 'main' (3). The 'Save' button is highlighted (4). Below the 'Branch' dropdown, it states 'GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository. [Learn more about configuring the publishing source for your site.](#)' To the right, under the 'Branch' heading, it says 'Your GitHub Pages site is currently being built from the main branch. !'



Enable pages (continued)

<https://fdg2425.github.io/webtest/>

Branch

Your GitHub Pages site is currently being built from the `main` branch. [!](#)

Wait about one minute, then press F5 to refresh the page. You will see:

GitHub Pages

[GitHub Pages](#) is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at <https://fdg2425.github.io/webtest/>

Last [deployed](#) by [fdg2425](#) 3 minutes ago

[Visit site](#)



When you open the link

<https://fdg2425.github.io/webtest/> :

<https://fdg2425.github.io/webtest/>

webtest

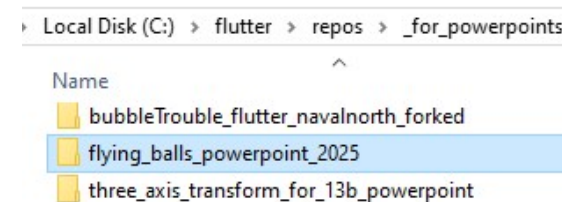
used when creating powerpoint 15b



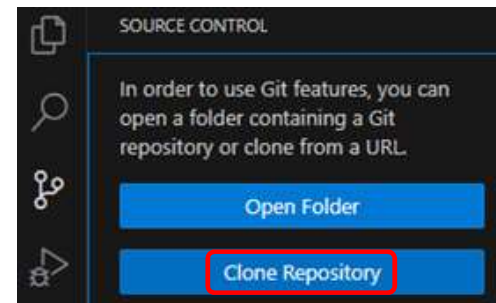
Clone the repository to your PC

To make your work easier, it is good to have all your repositories in a common folder, e.g. in `c:\flutter\repos`.

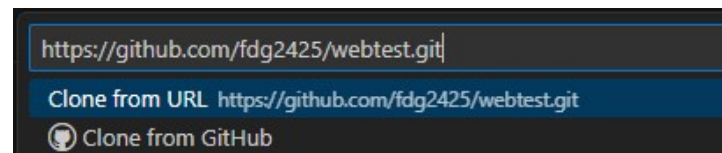
For this Powerpoint I used the folder:



Open a new VS Code, click on



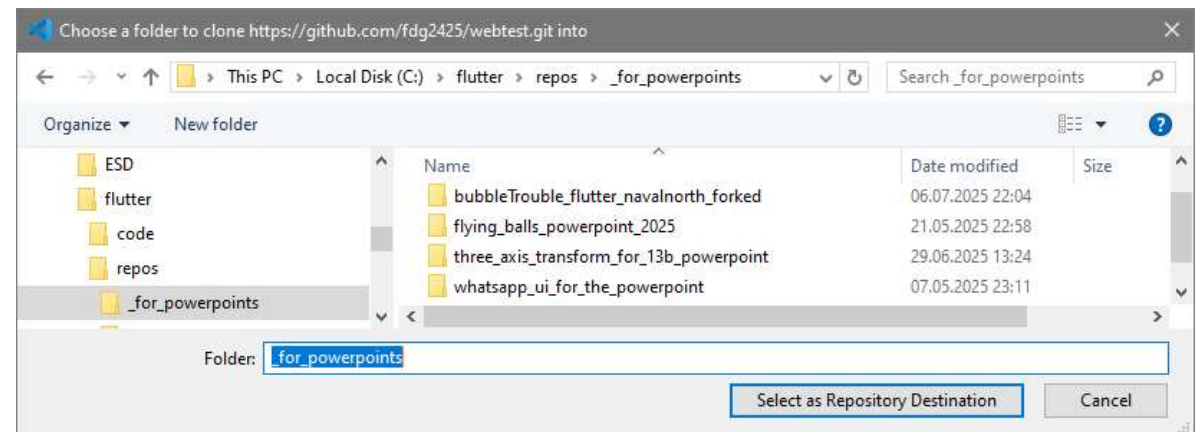
Enter the repo-Url:



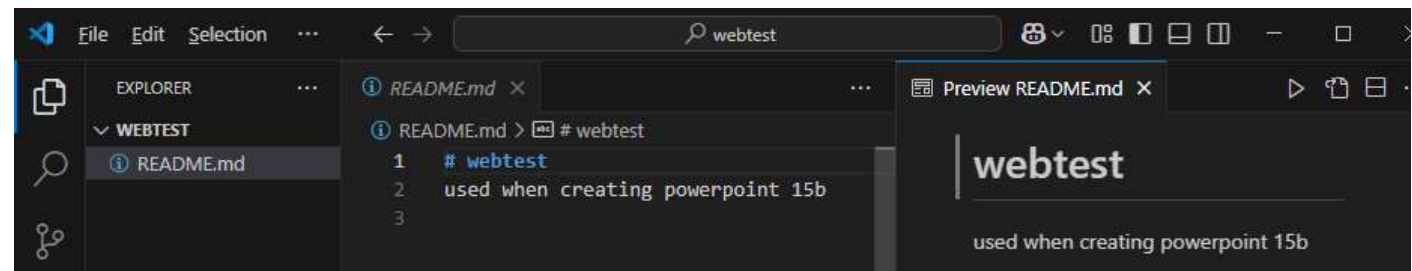


Clone the repository to your PC (continued)

Select the folder where to store your local repository:

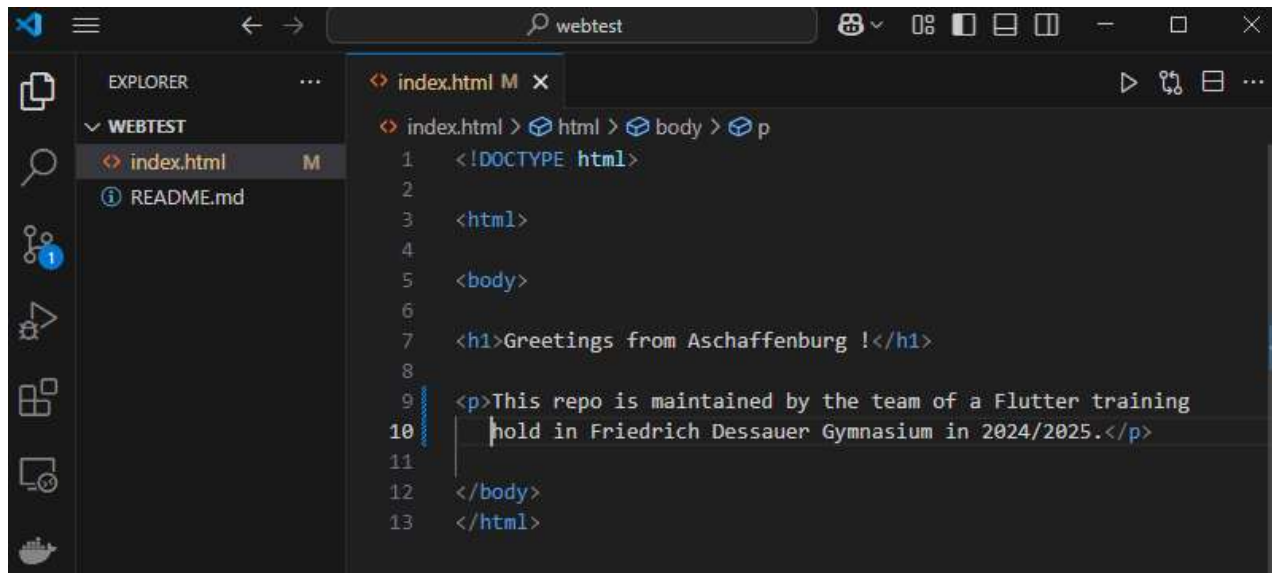


If you want you can adapt and commit the README.md file.






Optional: create an “index.html” file in the root folder



```
1 <!DOCTYPE html>
2
3 <html>
4
5 <body>
6
7 <h1>Greetings from Aschaffenburg !</h1>
8
9 <p>This repo is maintained by the team of a Flutter training
10 hold in Friedrich Dessauer Gymnasium in 2024/2025.</p>
11
12 </body>
13 </html>
```


index.html.txt

After commit & sync you see in page
<https://fdg2425.github.io/webtest/> :





Create the web app of your flutter app

Use the command

```
flutter build web --base-href /NameOfYourGitPagesRepo/FolderNameOfYourApp/
```

In my case:

```
flutter build web --base-href /webtest/flying_balls/
```

```
PS C:\flutter\repos\_for_powerpoints\flying_balls_powerpoint_2025> flutter build web --base-href /webtest/flying_balls/

Font asset "CupertinoIcons.ttf" was tree-shaken, reducing it from 257628 to 1172 bytes (99.5% reduction). Tree-shaking can be
disabled by providing the
--no-tree-shake-icons flag when building your app.
Font asset "MaterialIcons-Regular.otf" was tree-shaken, reducing it from 1645184 to 7692 bytes (99.5% reduction). Tree-shaking
can be disabled by
providing the --no-tree-shake-icons flag when building your app.
Compiling lib\main.dart for the Web... 2.990ms
✓ Built build\web
```




What is “base_href” for ?

Without argument “--base_href”

this is just: `<!-->`
`<base href="/">`

Content of the created build/web folder:

Name	Size
assets	
canvaskit	
icons	
.last_build_id	1 KB
favicon.png	1 KB
flutter.js	8 KB
flutter_bootstrap.js	8 KB
flutter_service_worker.js	9 KB
index.html	2 KB
main.dart.js	1,473 KB
manifest.json	1 KB
version.json	1 KB

```
<!DOCTYPE html>
<html>
<head>
  <!--
    If you are serving your web app in a path other than the root, change the
    href value below to reflect the base path you are serving from.

    The path provided below has to start and end with a slash "/" in order for
    it to work correctly.

    For more details:
    * https://developer.mozilla.org/en-US/docs/Web/HTML/Element/base

    This is a placeholder for base href that will be replaced by the value of
    the `--base-href` argument provided to `flutter build`.
  -->
  <base href="/webtest/flying_balls/">

  <meta charset="UTF-8">
  <meta content="IE=Edge" http-equiv="X-UA-Compatible">
  <meta name="description" content="A new Flutter project.">
</head>
<body>
  <!--
    This is the main entry point of the Flutter web app.
  -->
  <script src="flutter.js"></script>
  <script src="main.dart.js"></script>
</body>
</html>
```

After the web app was uploaded to GitHub pages (as described on next page) it will be available with the following link:

https://fdg2425.github.io/webtest/flying_balls/

This is the “base_href”

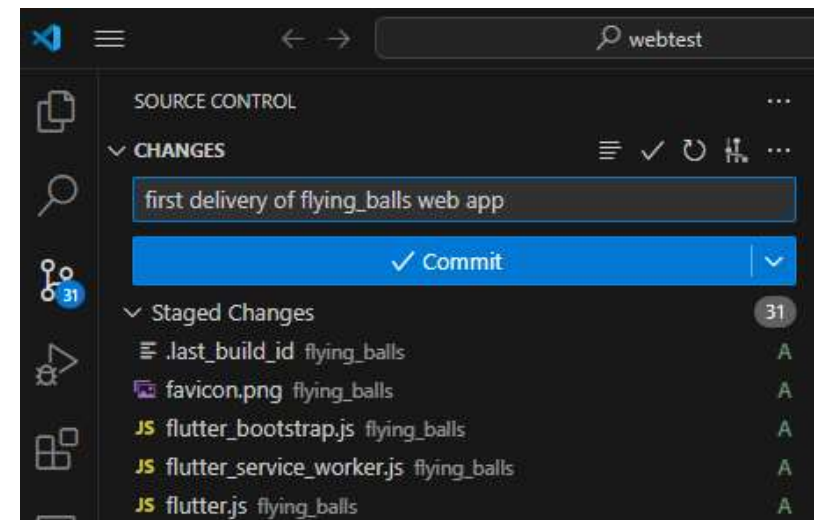


Copy the created web app to your GitHub Pages repository

Copy the folder „build/web“ from your project directory to the GitHub Pages repository and rename it there to your *FolderNameOfYourApp*



Finally stage, commit & sync the changes in your GitHub Pages repository:

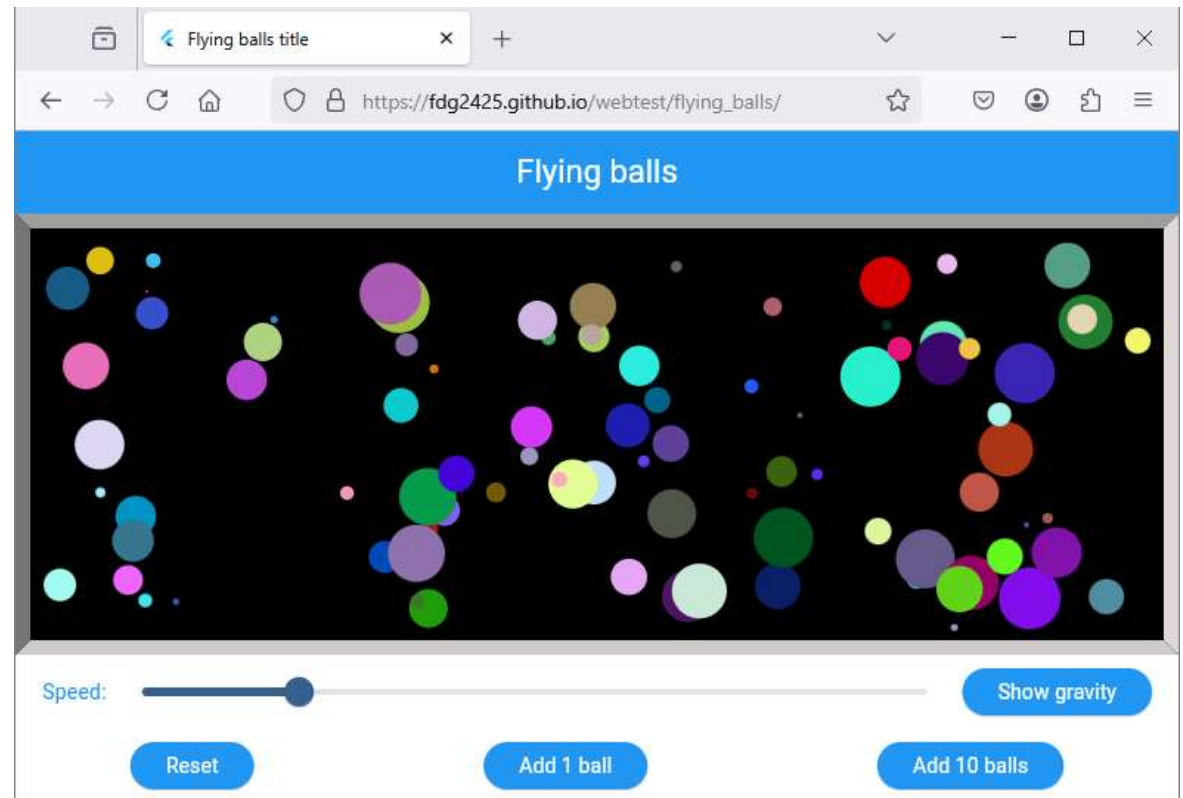




Your flutter app is now available as web app

After some seconds, you can open your web app on GitHub pages:

https://fdg2425.github.io/webtest/flying_balls/





Automate the build process with PowerShell

Create a new powershell script in the root folder of your Flutter project:

```
> build_web_app.ps1 > ...
1 $projectName = "flying_balls"
2 flutter build webtest --base-href /web/${projectName}/
3 Set-PSDebug -Trace 1
4 Remove-Item -Path "..\webtest\${projectName}" -Recurse -Force
5 Copy-Item -Path "build\web" -Destination "..\webtest\${projectName}" -Recurse
6 Set-PSDebug -Off
```



build_web_app.txt

Execute this script when you have modified your Flutter app:

```
PS C:\flutter\repos\_for_powerpoints\flying_balls_powerpoint_2025> .\build_web_app.ps1

Compiling lib\main.dart for the Web... 1.034ms
✓ Built build\web
DEBUG: 3+ >>>> Remove-Item -Path "..\webtest\flying_balls" -Recurse -Force
DEBUG: 4+ >>>> Copy-Item -Path "build\web" -Destination "..\webtest\flying_balls" -Recurse
DEBUG: 5+ >>>> Set-PSDebug -Off
```

Finally you have to commit & sync your GitHub pages repository (this might be automated too).