

CONTRIBUTING TO OPEN SOURCE WEB CONTENT ON OPEN SPACE SINGAPORE!



Writing Your Own Web Content

1. The Easy Way

- Editing directly on GitHub (and ping an Admin to build the website with your changes).

2. The “Fun” Way

- Clone the GitHub repo so you have a local copy of the website source code on your machine, and edit the text entirely (with full flexibility).

** Either way, it is easy to edit web content as Open Space SG was entirely written in ReStructured Text (.rst) rather than code or HTML. The biggest caveat in “The Easy Way” is that you will not see changes reflected in the actual website until an admin clones your changes and builds the site.*



Already have an account? [Sign in](#) →

First, create your GitHub account! (<https://github.com/>)

Welcome to GitHub!
Let's begin the adventure

Enter your email

✓ openspacesg@outlook.com

Create a password

✓ ●●●●●●●●

Enter a username

✓ Open-Space-SG-Admin

Once you have a GitHub account, do ping the Open Space Singapore admins with your [GitHub email](#) and [GitHub username](#)!

Verify your account

Please solve this puzzle to verify that you are human



Search or jump to...



Pull requests

Issues

Marketplace

Explore



Create your first project

Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.

Create repository

Import repository

Recent activity

When you take actions across GitHub, we'll provide links to that activity here.

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

Read the guide

Start a project

All activity

Introduce yourself

The easiest way to introduce yourself on GitHub is by creating a README in a repository about you! You can start here:

In the mean time, while waiting for our response, you can find the Open Space Singapore website **source "code"** by searching for **"OSPACE SG"**

Save the Date!

GitHub Universe is coming October 27 and 28. From product deep dives to interactive roundtables, you'll gather the tips, tools, and connections to help you do the best work of your life.

Learn more

Dismiss this

Continue



OSPACESG

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1 repository result

[OPENSACESG/OSPACESG](#)

Open Space Singapore Community (GitHub) Page



2



HTML

MIT license

Updated 24 days ago



You should see it pop up here... click the link! Check us out!

[Advanced search](#)[Cheat sheet](#)

Code Issues Pull requests Actions Projects Wiki Security Insights

main 1 branch 0 tags

Go to file

Add file

Code



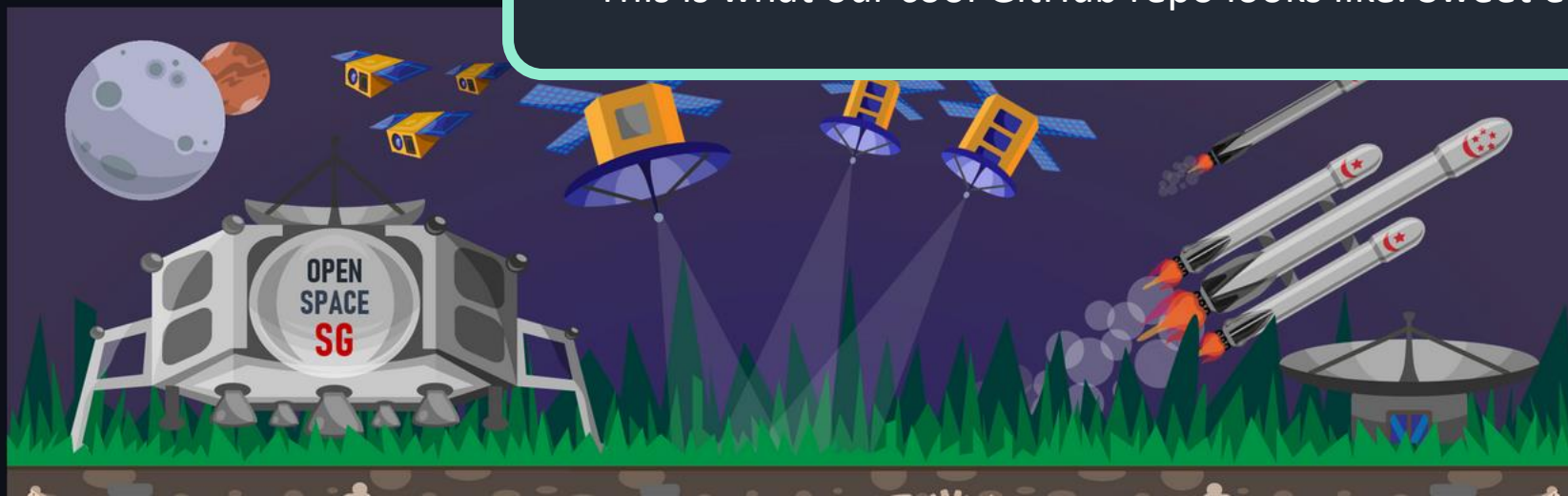
sammmmlow Updated August Schedule v3

✓ dac0e1a 24 days ago 81 commits

docs	Updated August Schedule v3	24 days ago
source	Updated August Schedule v3	24 days ago
LICENSE	Initial commit	4 months ago
README.rst	New GitHub README v3	4 months ago

README.rst

This is what our cool GitHub repo looks like. Sweet eh?



About

🚀 ⭐ 🚀 ⭐ Open Space Singapore Community (GitHub) Page

📖 Readme

📄 MIT License

Releases

No releases published

Packages

No packages published

Contributors 2



sammmmlow Samuel Low



aeroxzark Sarthak Srivastava



New message



Delete



Archive



Junk



Sweep



Move to



Categorize



Snooze



Favorites



Folders



Inbox

4



Junk Email



Drafts



Sent Items



Deleted Items



Archive



Focused

Other

Filter



Samuel Low

sammmlow invited you to OPEN... 1:23 PM
@sammmlow has invited you to collaborat...



GitHub

[GitHub] Welcome to GitHub, @... 1:14 PM
Welcome to GitHub, @Open-Space-SG-Ad...



GitHub

Your GitHub launch code 1:13 PM
Here's your GitHub launch code, @Open-S...

sammmlow invited you to OPENSACESG/OSPACESG



Samuel Low

<noreply@github.com>

Fri 9/17/2021 1:23 PM

To: You



@sammmlow has invited you to collaborate on the
OPENSACESG/OSPACESG repository

You can accept or decline this invitation. You can also head over to <https://github.com/OPENSACESG/OSPACESG> to check out the repository. Visit @sammmlow to learn a bit more about them.

This invitation will expire in 7 days.

[View invitation](#)

Note: This invitation was intended for openspacesg@outlook.com. If you were not expecting this invitation, you can ignore this email. If @sammmlow is sending you too many emails, you can [block them](#) or [report abuse](#).

When we've added you as a **writer or maintainer** to the GitHub repository, and you will see an **invitation email in the same email you used for GitHub**.

(Note, this is a manual process so it'll take awhile for us...)

New group



Outlook



Search



Meet Now



New message



Delete



Archive



Junk



Sweep



Move to



Categorize



Snooze



Favorites



Folders



Inbox

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Junk Email



Drafts



Sent Items



Deleted Items



Archive



Focused

Other

Filter



GitHub

[GitHub] @sammmlow has invi... 12:59 PM

@sammmlow has invited you to join the @...

[GitHub] @sammmlow has invited you to join the @OPENSACESG organization



@sammmlow has invited you to join the @OPENSACESG organization

@sammmlow has invited you to join the @OPENSACESG organization on GitHub. Head over to <https://github.com/OPENSACESG> to check out @OPENSACESG's profile.

This invitation will expire in 7 days.

Join @OPENSACESG

New to GitHub? GitHub is how people build software. Millions of developers use GitHub to build personal projects, support their businesses, and work together on open source technologies. [Learn more.](#)

Note: This invitation was intended for openspacesg@outlook.com. If you were not expecting this invitation, you can ignore this email. If @sammmlow is sending you too many emails, you can [block them](#) or [report them for abuse](#).

We will also invite you to join the OPENSACESG GitHub organisation (the repository hosting our website is inside the organisation so you'll need to join both).



Search or jump to...



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OPENSACESG / OSPACESG

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sammmlow invited you to collaborate

Accept invitation

Decline



Owners of OSPACESG will be able to see:

- Your public profile information
- Certain activity within this repository
- Country of request origin
- Your access level for this repository
- Your IP address

Is this user sending spam or malicious content?

Block sammmlow

Click the “**Accept/Decline**”
link in BOTH emails!
Accept BOTH invitations!
(only for the brave...)

At this stage, decide if you want to do web edits the easy way, or the fun way (the next steps in the tutorial focus only on the “fun” way!)

[Pull requests](#)[Issues](#)[Marketplace](#)[Explore](#)[Settings](#) / Developer settings[GitHub Apps](#)[OAuth Apps](#)[Personal access tokens](#)

New personal access token

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

Note

What's this token for?

Expiration *

No expiration



The token will never expire!

Create Personal Access Token on GitHub

1. From your GitHub account (on web)
2. Go to Settings > Developer Settings > Personal Access Token > Generate New Token (Give your password) > Fill up the form (*tick all the checkboxes for the scopes*) > Click Generate token > Copy the generated token
3. Token looks something like: ghp_sFhFsSHhTzMDreGRLjmks4Tzuzgthdvfsrta

Scopes define the access for personal tokens. [Read more about OAuth scopes.](#)

<input checked="" type="checkbox"/> repo	Full control of private repositories
<input checked="" type="checkbox"/> repo:status	Access commit status
<input checked="" type="checkbox"/> repo_deployment	Access deployment status
<input checked="" type="checkbox"/> public_repo	Access public repositories
<input checked="" type="checkbox"/> repo:invite	Access repository invitations
<input checked="" type="checkbox"/> security_events	Read and write security events
<input checked="" type="checkbox"/> workflow	Update GitHub Action workflows
<input checked="" type="checkbox"/> write:packages	Upload packages to GitHub Package Registry
<input checked="" type="checkbox"/> read:packages	Download packages from GitHub Package Registry
<input checked="" type="checkbox"/> delete:packages	Delete packages from GitHub Package Registry
<input checked="" type="checkbox"/> admin:org	Full control of orgs and teams, read and write org projects
<input checked="" type="checkbox"/> write:org	Read and write org and team membership, read and write org projects
<input checked="" type="checkbox"/> read:org	Read org and team membership, read org projects
<input checked="" type="checkbox"/> admin:public_key	Full control of user public keys
<input checked="" type="checkbox"/> write:public_key	Write user public keys
<input checked="" type="checkbox"/> read:public_key	Read user public keys
<input checked="" type="checkbox"/> admin:repo_hook	Full control of repository hooks

(tick all the checkboxes for the scopes and then proceed to **GENERATE TOKEN**)

[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)[Settings](#) / [Developer settings](#)[GitHub Apps](#)[OAuth Apps](#)[Personal access tokens](#)

Personal access tokens

[Generate new token](#)[Revoke all](#)

Tokens you have generated that can be used to access the [GitHub API](#).

Make sure to copy your personal access token now. You won't be able to see it again!

✓ ghp_ **lorem—ipsum--string-of-keys**

[Delete](#)

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

MAKE SURE YOU COPY YOUR PERSONAL ACCESS TOKEN!!!
You won't be able to see it again!

Adding your personal token to your machine

For Windows OS ↴

Go to **Credential Manager** from **Control Panel** => **Windows Credentials** => find `git:https://github.com` => **Edit** => On Password replace with with your **GitHub Personal Access Token** => You are Done

If you don't find `git:https://github.com` => Click on **Add a generic credential** => Internet address will be `git:https://github.com` and you need to type in your username and password will be your **GitHub Personal Access Token** => Click Ok and you are done

Adding your personal token to your machine

For macOS ↗

Click on the Spotlight icon (magnifying glass) on the right side of the menu bar. Type **Keychain access** then press the Enter key to launch the app => In Keychain Access, search for `github.com` => Find the **internet password** entry for `github.com` => Edit or delete the entry accordingly => You are done

Adding your personal token to your machine

For a Linux-based OS ↗

For Linux, you need to configure the local GIT client with a username and email address,

```
$ git config --global user.name "your_github_username"  
$ git config --global user.email "your_github_email"  
$ git config -l
```

Once GIT is configured, we can begin using it to access GitHub. Example:

```
$ git clone https://github.com/YOUR-USERNAME/YOUR-REPOSITORY  
> Cloning into `Spoon-Knife`...  
$ Username for 'https://github.com' : username  
$ Password for 'https://github.com' : give your personal access token here
```

Now cache the given record in your computer to remembers the token:

```
$ git config --global credential.helper cache
```



Search or jump to...



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You now have maintain access to the OPENSPACESG/OSPACESG repository.



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docs

Updated August Schedule v3



source

Updated August Schedule v3



LICENSE

Initial commit



README.rst

New GitHub README v3



README.rst

You should see a little text label confirming your authorship access to the Open Space SG web source code.

Go to file

Add file

Code

Clone

HTTPS SSH GitHub CLI New

<https://github.com/OPENSPACESG/OSPACESG.git>

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

About

Open Space Singapore
Community (GitHub) Page

Readme

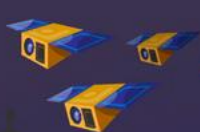
MIT License

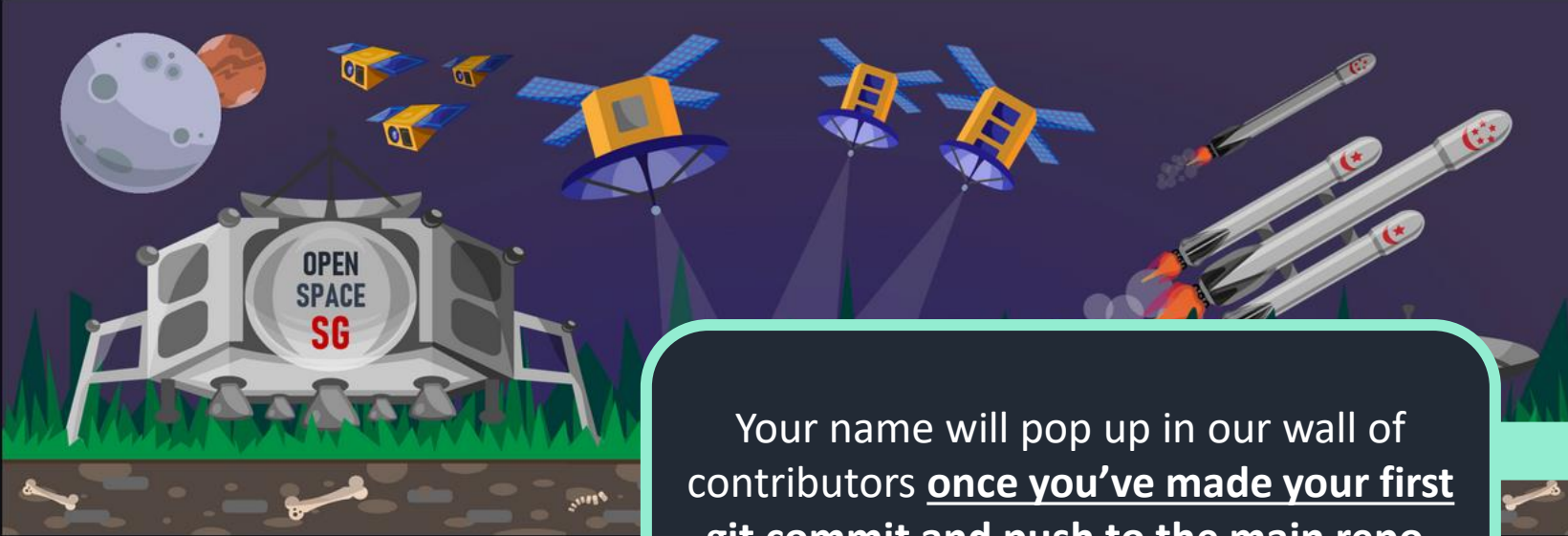
Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)





Your name will pop up in our wall of contributors once you've made your first git commit and push to the main repo.

Project:	The Open Space Singapore Comm
Github:	https://github.com/sammmlow/OSPACESG
Website:	https://openspacesg.com
Version:	1.0 (Actively Publishing)

website active license MIT

The Open Space Singapore Community

The Open Space Singapore Community is a technical body of young professionals and students with a passion for the research and development of space science and engineering.

No releases published

Packages

No packages published

Contributors 2



sammmlow Samuel Low



aeroxark Sarthak Srivastava

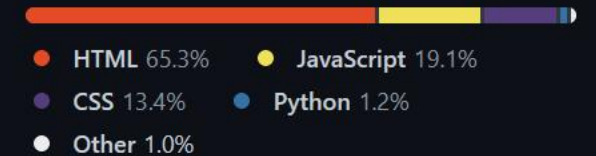
Environments 1



github-pages

Active

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Community

The entire **Pro Git book**
written by Scott Chacon and

Downloads



macOS



Windows



Linux/Unix

Older releases are available and the [Git source repository](#) is on GitHub.



Now. We should download Git. Go to:

<https://git-scm.com/download>

Download and install Git based on your appropriate OS
(*stick to all recommended or default install options if in doubt*).



Search or jump to...



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MINGW64:/c/Users/sammm/Desktop

```
sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop  
$ git clone https://github.com/OPENSACESG/OSPACESG.git
```

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Clone

HTTPS

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GitHub CLI

New

https://github.com/OPENSACESG/OSPACESG.git



Use Git or checkout with SVN using the web URL.

desktop

Once you have Git, open up Git Bash. Copy the clone link from the Open Space SG GitHub page and paste this line into your Git Bash once you picked a directory where you want to save the repository.

Releases

No releases published

[Create a new release](#)

Packages

No packages published

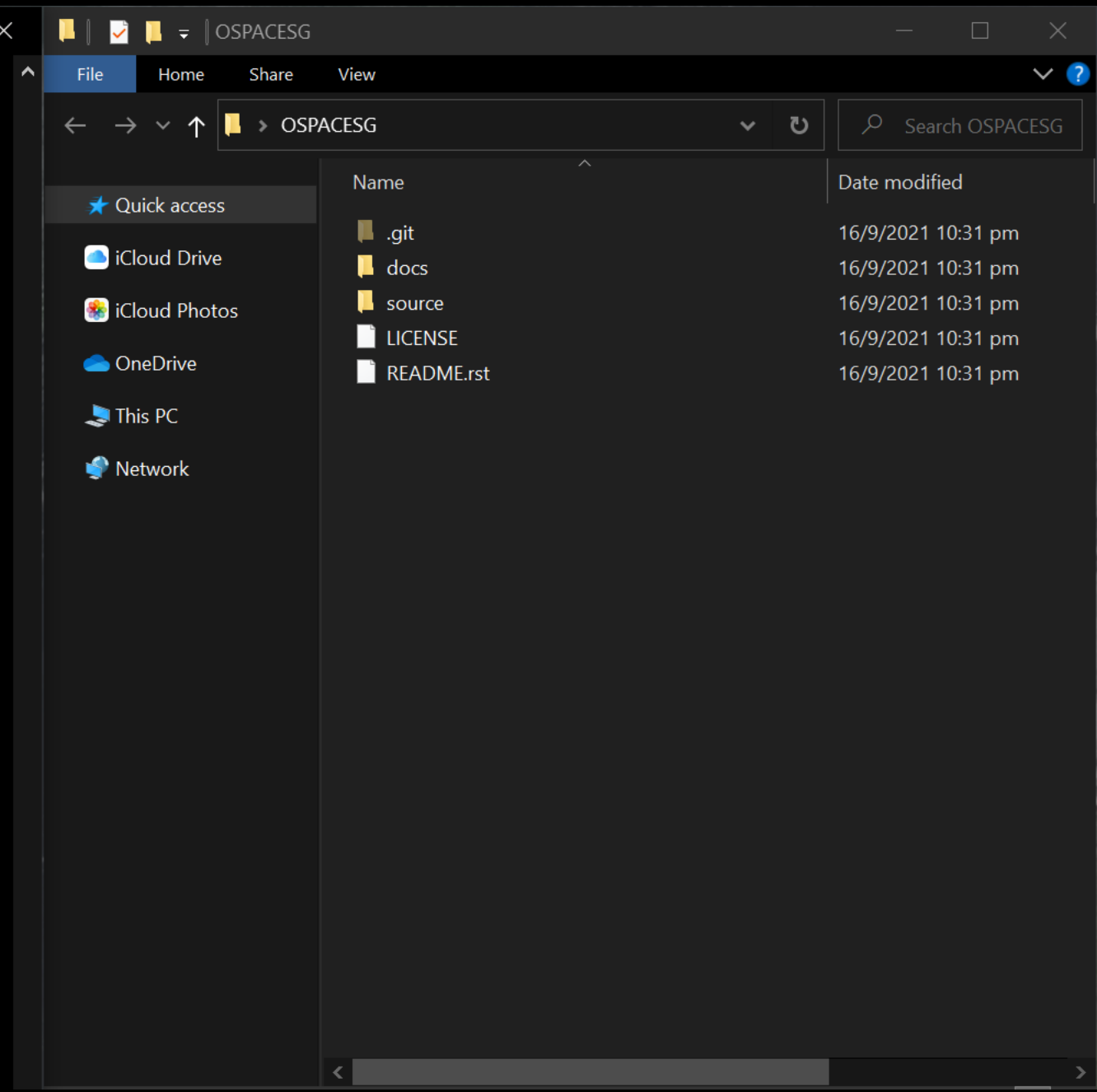
[Publish your first package](#)


```
MINGW64:/c/Users/sammm/Desktop
sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ git clone https://github.com/OPENSACESG/OSPACESG.git
Cloning into 'OSPACESG'...
remote: Enumerating objects: 1300, done.
remote: Counting objects: 100% (1300/1300), done.
remote: Compressing objects: 100% (738/738), done.
remote: Total 1300 (delta 882), reused 934 (delta 535), pack-reused 0
Receiving objects: 100% (1300/1300), 29.95 MiB | 9.54 MiB/s, done.
Resolving deltas: 100% (882/882), done.
```

```
sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ cd "C:\Users\sammm\Desktop\OSPACESG"
```



Enter the directory OSPACESG
(wherever you cloned it into)



```
MINGW64:/c/Users/sammm/Desktop
sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ git clone https://github.com/OPENSACESG/OSPACESG.git
Cloning into 'OSPACESG'...
remote: Enumerating objects: 1300, done.
remote: Counting objects: 100% (1300/1300), done.
remote: Compressing objects: 100% (738/738), done.
remote: Total 1300 (delta 882), reused 934 (delta 535), pack-reused 0
Receiving objects: 100% (1300/1300), 29.95 MiB | 9.54 MiB/s, done.
Resolving deltas: 100% (882/882), done.

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ cd "C:\Users\sammm\Desktop\OSPACESG"

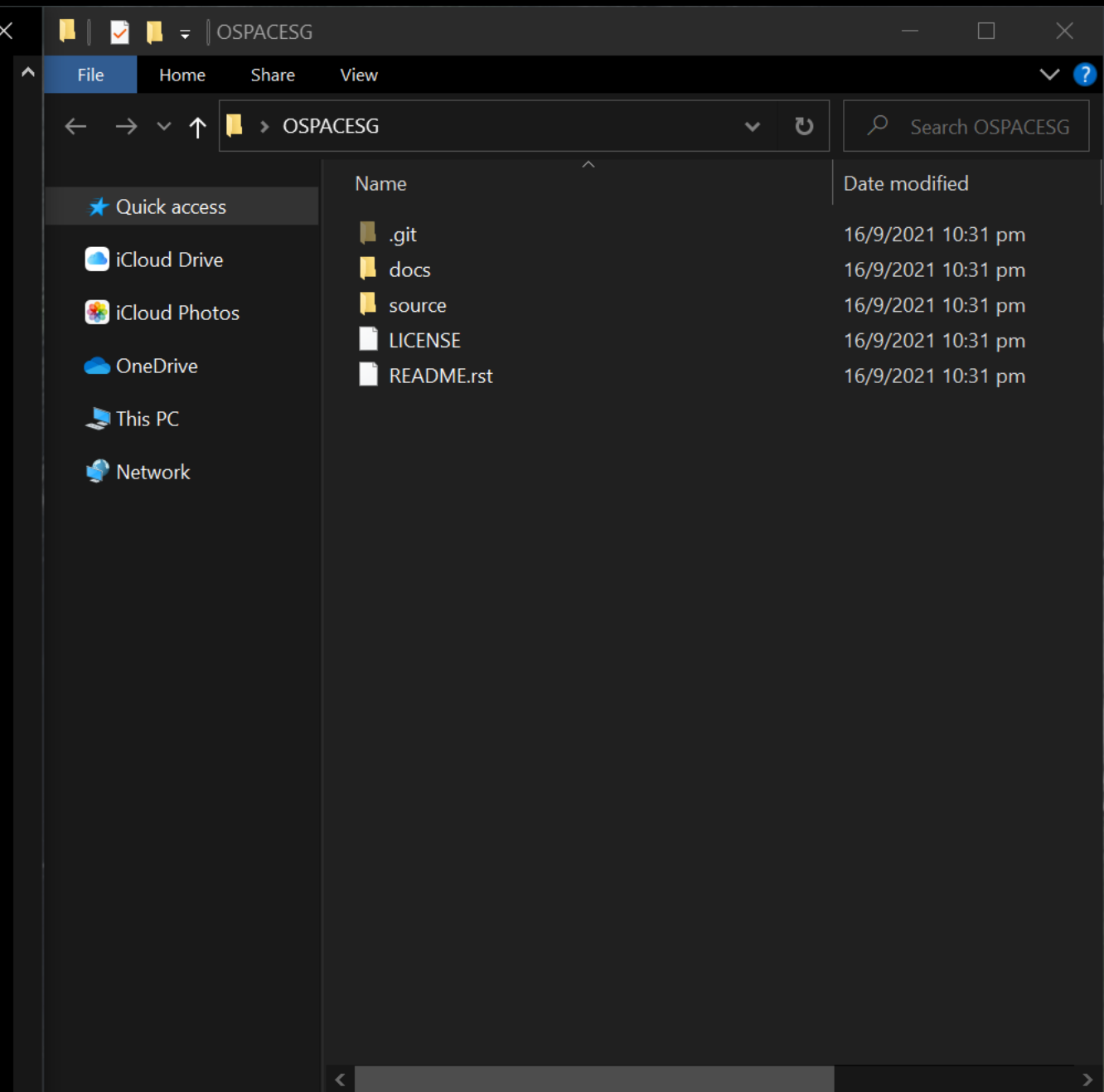
sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ git config --global user.email "openspacesg@outlook.com"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ git config --global user.name "Open-Space-SG-Admin"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ |
```



Set your GitHub email and GitHub username as per above (change the email and username to yours)



The screenshot shows a Windows desktop with three windows. The terminal window on the left shows the process of cloning a GitHub repository and configuring Git. The file explorer in the middle shows the contents of the 'OSPACESG' directory. The Anaconda Prompt at the bottom shows the execution of commands to navigate to the 'source' directory and run 'make html'.

```
MINGW64:/c/Users/sammm/Desktop
sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ git clone https://github.com/OPENSACESG/OSPACESG.git
Cloning into 'OSPACESG'...
remote: Enumerating objects: 1300, done.
remote: Counting objects: 100% (1300/1300), done.
remote: Compressing objects: 100% (738/738), done.
remote: Total 1300 (delta 882), reused 934 (delta 535), pack-reused 0
Receiving objects: 100% (1300/1300), 29.95 MiB | 9.54 MiB/s, done.
Resolving deltas: 100% (882/882), done.

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ cd "C:\Users\sammm\Desktop\OSPACESG"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ git config --global user.email "openspacesg@outlook.com"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ git config --global user.name "Open-Space-SG-Admin"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ |
```

The file explorer shows the following files and folders:

Name	Date modified
.git	16/9/2021 10:31 pm
docs	16/9/2021 10:31 pm
source	16/9/2021 10:31 pm
LICENSE	16/9/2021 10:31 pm
README.rst	16/9/2021 10:31 pm

```
Anaconda Prompt (anaconda3)
(base) C:\Users\sammm>cd "Desktop/OSPACESG"
(base) C:\Users\sammm\Desktop\OSPACESG>cd source
(base) C:\Users\sammm\Desktop\OSPACESG\source>make html
```

You are now free to edit any files you'd like. The RST files are kept in "source". After editing RST files, run "**make html**" to build the website locally in the "**source/_build/html**" directory. This serves as a "local offline copy" for you to see if you like the edits you made to the Open Space Singapore website (offline).

The screenshot shows a Windows desktop with three windows open:

- Terminal Window (MINGW64):** Shows the process of cloning a GitHub repository and configuring Git. The commands and output are:

```
sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ git clone https://github.com/OPENSACESG/OSPACESG.git
Cloning into 'OSPACESG'...
remote: Enumerating objects: 1300, done.
remote: Counting objects: 100% (1300/1300), done.
remote: Compressing objects: 100% (738/738), done.
remote: Total 1300 (delta 882), reused 934 (delta 535), pack-reused 0
Receiving objects: 100% (1300/1300), 29.95 MiB | 9.54 MiB/s, done.
Resolving deltas: 100% (882/882), done.

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ cd "C:\Users\sammm\Desktop\OSPACESG"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ git config --global user.email "openspacesg@outlook.com"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ git config --global user.name "Open-Space-SG-Admin"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ |
```
- File Explorer (OSPACESG):** Shows the contents of the cloned repository. The left sidebar lists 'Quick access' and 'OneDrive'. The main pane shows a table of files and folders:

Name	Date modified
.git	16/9/2021 10:31 pm
docs	16/9/2021 10:31 pm
source	16/9/2021 10:31 pm
LICENSE	16/9/2021 10:31 pm
README.rst	16/9/2021 10:31 pm
- Anaconda Prompt (anaconda3):** Shows the command `make github` being executed in the `source` directory. The output shows Sphinx v4.0.1 running and building HTML files, which are then copied to the `docs` folder.

```
(base) C:\Users\sammm\Desktop\OSPACESG\source>make github
Running Sphinx v4.0.1
loading pickled environment... done
building [mo]: targets for 0 po files that are out of date
building [html]: targets for 0 source files that are out of date
updating environment: 0 added, 0 changed, 0 removed
looking for now-outdated files... none found
no targets are out of date.
build succeeded.

The HTML pages are in _build\html.
Generated files copied to ../docs

(base) C:\Users\sammm\Desktop\OSPACESG\source>
```

After several “local offline copy” edits, if you are satisfied with the final changes, run “**make github**”. This copies whatever new HTML files you built in “**source**” to the “**docs**” folder. The “docs” folder is what GitHub pages uses to build the website online (publicly).

The screenshot displays a Windows desktop environment with three overlapping windows:

- Terminal Window (MINGW64):** Shows the process of cloning a GitHub repository and configuring Git. The commands and output are as follows:

```
sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ git clone https://github.com/OPENSACESG/OSPACESG.git
Cloning into 'OSPACESG'...
remote: Enumerating objects: 1300, done.
remote: Counting objects: 100% (1300/1300), done.
remote: Compressing objects: 100% (738/738), done.
remote: Total 1300 (delta 882), reused 934 (delta 535), pack-reused 0
Receiving objects: 100% (1300/1300), 29.95 MiB | 9.54 MiB/s, done.
Resolving deltas: 100% (882/882), done.

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop
$ cd "C:\Users\sammm\Desktop\OSPACESG"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ git config --global user.email "openspacesg@outlook.com"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ git config --global user.name "Open-Space-SG-Admin"

sammm@SAMUEL-Y-W-LOW MINGW64 ~/Desktop/OSPACESG (main)
$ |
```
- File Explorer (OSPACESG):** Displays the contents of the cloned repository. The left sidebar shows 'Quick access' with links to iCloud Drive, iCloud Photos, and OneDrive. The main pane shows a list of files and folders:

Name	Date modified
.git	16/9/2021 10:31 pm
docs	16/9/2021 10:31 pm
source	16/9/2021 10:31 pm
LICENSE	16/9/2021 10:31 pm
README.rst	16/9/2021 10:31 pm
- Anaconda Prompt (anaconda3):** Shows the execution of a Makefile target. The command `make github` is highlighted with a red circle. The output indicates that Sphinx v4.0.1 is running, the environment is loaded, and the build is successful. The HTML pages are generated in `_build/html` and copied to `../docs`.

```
(base) C:\Users\sammm\Desktop\OSPACESG\source>make github
Running Sphinx v4.0.1
loading pickled environment... done
building [mo]: targets for 0 po files that are out of date
building [html]: targets for 0 source files that are out of date
updating environment: 0 added, 0 changed, 0 removed
looking for now-outdated files... none found
no targets are out of date.
build succeeded.

The HTML pages are in _build/html.
Generated files copied to ../docs

(base) C:\Users\sammm\Desktop\OSPACESG\source>
```

Now, everything still exists on your local computer at this point in time. The online GitHub repository doesn't know yet that you have made several changes on your offline repository of the Open Space SG website.

The screenshot displays a Windows desktop environment with three windows open:

- Terminal Window (MINGW64):** Shows the process of cloning a repository from GitHub, configuring git with a user email and name, adding all files to the staging area, committing the changes with a message, and pushing them to the main repository.
- File Explorer (OSPACEG):** Displays the contents of the cloned repository, including a .git folder, docs, source, LICENSE, and README.rst files.
- Anaconda Prompt (anaconda3):** Shows the execution of a `make github` command, which runs Sphinx v4.0.1 to build the website. The output indicates that the build was successful and the generated files were copied to the `../docs` directory.

Three numbered circles (1, 2, 3) are overlaid on the terminal window, highlighting the steps: (1) `git add --all`, (2) `git commit -m "Write about what you changed briefly!"`, and (3) `git push -u origin main`.

To bring your changes online, you'll have to (1) add all files to the staging area, (2) commit those changes (include a message so the other admins and authors know what you have changed on the website) and (3) push the changes to the main repository (upstream).