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# USING GITHUB

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Professor Matt Germonprez  
ISQA 3420 - Fall 2016

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# GITHUB

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- Massive hosting service for source code and document management



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Maybe you knew...

BRANDON KEEPER

SPENCER, IA  
HEAD OF OSS AT GITHUB





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# OUR USE OF GITHUB

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- Assignment 1
  - Document management
- Assignment 2
  - Document and source code management





Personal Open source Business Explore

Pricing Blog Support

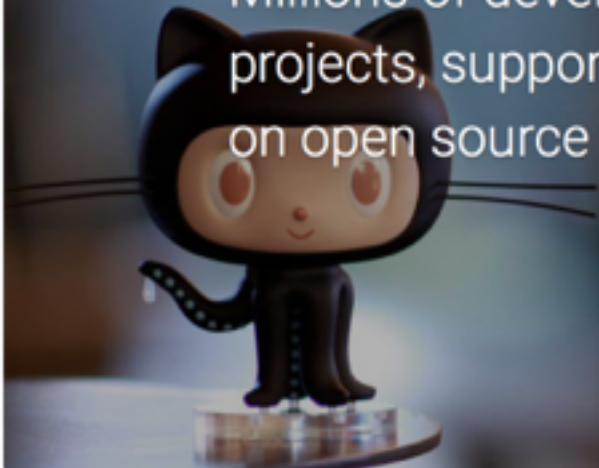
Search GitHub

Sign in

Sign up

# How people build software

Millions of developers use GitHub to build personal projects, support their businesses, and work together on open source technologies.



Pick a username

Your email address

Create a password

Use at least one letter, one numeral, and seven characters.

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#). We'll occasionally send you account related emails.



[Pull requests](#) [Issues](#) [Gist](#)

## 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](#)

Make a Repository

germonprez ▾



3 days ago

**robinagandhi** commented on pull request [robinagandhi/swa#1](#)



@dlellis Thanks for the changes! Seems like I was not very careful with my slides notes.



3 days ago

**robinagandhi** pushed to [gh-pages](#) at [robinagandhi/swa](#)



33602c3 Merge pull request #1 from dlellis/gh-pages



f68279e Added a word

[1 more commit »](#)



3 days ago

**robinagandhi** merged pull request [robinagandhi/swa#1](#)



Small changes



GitHub Extension for Visual Studio 2.0 is now available



[View 209 new broadcasts](#)

### Repositories you contribute to

<a href="#">OCDX/OCDX-Engine</a>	0 ★
<a href="#">ManagingInAD... /ISQA3420</a>	0 ★
<a href="#">UNOmaha-Co... /ISQA3420</a>	0 ★
<a href="#">OCDX/OCDX-Specification</a>	0 ★
<a href="#">twjorgensen/ISQA3420</a>	0 ★

Your repositories 43


[New repository](#)



## Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

 germonprez ▾

Repository name

/

Great repository names are short and memorable. Need inspiration? How about **fluffy-octo-palm-tree**.

Description (optional)



**Public**

Anyone can see this repository. You choose who can commit.



**Private**

You choose who can see and commit to this repository.



**Initialize this repository with a README**

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** ▾

Add a license: **None** ▾



Create repository



The screenshot shows the GitHub interface for a repository named '3420ISQA' by user 'germonprez'. The top navigation bar includes 'This repository', 'Search', 'Pull requests', 'Issues', and 'Gist'. On the right, there are icons for notifications, a plus sign, and a user profile. Below the repository name, there are buttons for 'Unwatch' (1), 'Star' (0), and 'Fork' (0). A secondary navigation bar contains links for 'Code', 'Issues' (0), 'Pull requests' (0), 'Wiki', 'Pulse', 'Graphs', and 'Settings'. The main content area is titled 'Quick setup — if you've done this kind of thing before' and offers two options: 'Set up in Desktop' or 'HTTPS' (selected) with the URL 'https://github.com/germonprez/3420ISQA.git'. Below this, a text line states: 'We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).' A pink arrow points from the 'README' link to the command line section below. The command line section is titled '...or create a new repository on the command line' and contains the following commands:

```
echo "# 3420ISQA" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/germonprez/3420ISQA.git
git push -u origin master
```

You will only see this screen if you forgot to initialize your repository with a README





This repository

Search

Pull requests

Issues

Gist

germonprez / 3420ISQA

Unwatch

1

Star

Code

Issues 1

Pull requests 0

Wiki

Pulse

Graphs

Settings

3420ISQA / README.md



or cancel

Edit file

Preview changes

Spaces

2

Soft

1 # 3420ISQA

2

3 This is the README file

4



### Commit changes

Update README.md

Add an optional extended description...

☒ Commit directly to the master branch.

☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes

Cancel




[Code](#)[Issues 1](#)[Pull requests 0](#)[Wiki](#)[Pulse](#)[Graphs](#)[Settings](#)

No description or website provided. — Edit

[3 commits](#)[1 branch](#)[0 releases](#)[1 contributor](#)

Branch: master ▾

[New pull request](#)[Create new file](#)[Upload files](#)[Find file](#)[Clone or download ▾](#) **germonprez** committed on **GitHub** Create DFD.md

Latest commit eba3964 3 minutes ago

 [DFD.md](#)

Create DFD.md

3 minutes ago

 [README.md](#)

Create README.md

5 minutes ago

 [license.md](#)

Create license.md

3 minutes ago

 [README.md](#)

# 3420ISQA



<> Code

Issues 1

Pull requests 0

Wiki

Pulse

Graphs

Settings

No description or website provided. — Edit

3 commits

1 branch

0 releases

1 contributor

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾

germonprez committed on GitHub

Create DFD.md


Latest commit eba3964 3 minutes ago

DFD.md	Create DFD.md	3 minutes ago
README.md	Create README.md	5 minutes ago
license.md	Create license.md	3 minutes ago




README.md


3420ISQA






 This repository

Pull requestsIssuesGist


  


 **germonprez / 3420ISQA**


 1  0  0


<> Code


**🔔 Issues 1**

 Pull requests 0

 Wiki

 Pulse

 Graphs

 Settings

Filters ▾

Labels

Milestones

New issue

☐ **🔔 1 Open** ✓ 0 Closed

Author ▾

Labels ▾


Milestones ▾

Assignee ▾

Sort ▾

☐ **🔔 Create README File**

#1 opened 8 minutes ago by germonprez

 **ProTip!** Add [no:assignee](#) to see everything that's not assigned.



germonprez / 3420ISQA

Unwatch 1

Star 0

Fork 0

Code

Issues 1

Pull requests 0

Wiki

Pulse

Graphs

Settings



Title

Write

Preview

AA B i

“ ” < > ↻

☰ ☷ ☹

↶ @ 📌

Leave a comment

Labels

None yet

Milestone

No milestone

Assignees

No one—assign yourself



germonprez / 3420ISQA

Unwatch 1

Star 0

Fork 0

Code

Issues 1

Pull requests 0

Wiki

Pulse

Graphs

Settings

Filters

is:issue is:open

Labels

Milestones

New issue

1 Open 1 Closed

Author

Labels

Milestones

Assignee

Sort

Create license file

#2 opened just now by germonprez

ProTip! Notify someone on an issue with a mention, like: @germonprez.



🔔 Open

germonprez opened this issue a minute ago · 0 comments



germonprez commented a minute ago

Owner

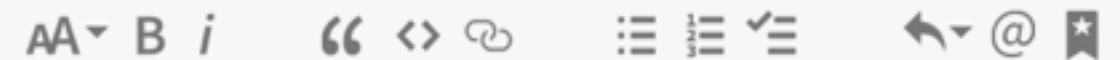


I need to create a license file for my documents



Write

Preview



Leave a comment

Attach files by dragging & dropping or [selecting them](#).

Styling with Markdown is supported

Close issue

Comment



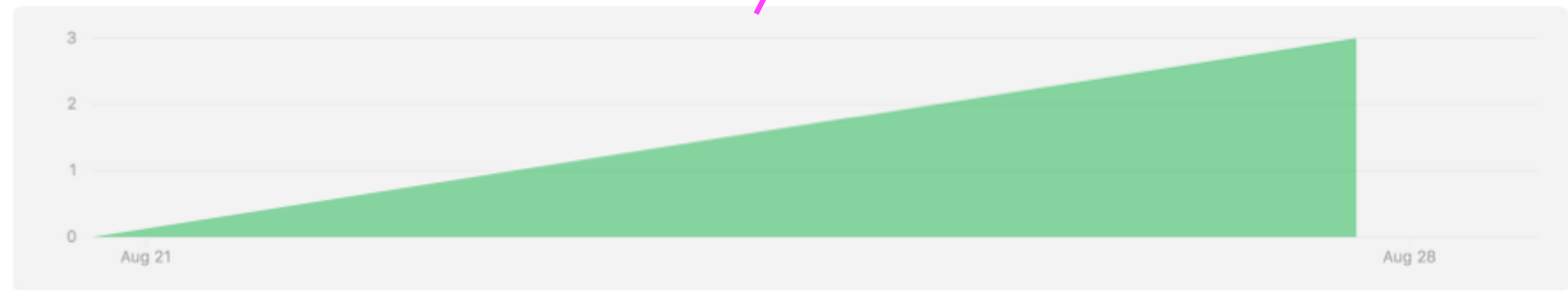
<> Code ⓘ Issues 1 🔗 Pull requests 0 📖 Wiki ⚡ Pulse 📊 **Graphs** ⚙ Settings

**Contributors** Traffic Commits Code frequency Punch card Network Members

Aug 21, 2016 – Aug 29, 2016

Contributions to master, excluding merge commits

Contributions: **Commits** ▼



**germonprez**

3 commits / 5 ++ / 0 --

#1





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# DOCUMENTS IN GITHUB

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- README
- DFD
- ERD
- USE CASES (x3)



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# DOCUMENTS IN GITHUB

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- Open an Issue for Each One
- README is already started so just make an issue called, Finish README



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# DOCUMENTS IN GITHUB

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- Create the Documents
- And then go check out your GRAPHS to see your commits



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# QUESTION FOR DISCUSSION BOARD

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You are expected to participate in class. At the end of select online lectures, I will leave an open ended question that I will also post to Blackboard. You must post an answer to the question as well as a response to my feedback on your answer (i.e. you have two postings – initial answer, response to my comments).

This engagement must be completed within 72 hours of me posting the material. For each select question, I will respond to the first seven (7) student posts. It is first come, first served. If five of your classmates have responded, you have to wait until the next time I post a question. Participation will be based on how often you answer a question and comment on my response.

3 times - +5

2 times – No Impact

1 time – Negative 5 points

0 times – Negative 10 points

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# QUESTION FOR DISCUSSION BOARD

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Beyond our class, what is the purpose of GITHUB and how do you think it has changed the way that Information Systems are developed?

*Check out blackboard as this question is posted there.*

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