

# GitHub & GitHub Classroom

Integration in Associate Degree Programs

# Welcome



**Siegfried Derdeyn**  
**Content Coordinator**

Passionate developer and  
lecturer



**Joachim Francois**  
**Program Coordinator**

Passionate developer and  
lecturer



**Programming**  
**Associate Degree**

2 year program  
166 students

3 year program  
204 students



# Agenda

---

- An overview of our main actors
- A bit more in depth on the functionality
- Some heavy lifting (*on your end*)
- Behind the scenes (*how did we create the previous?*)
- Integrating
- Challenges
- Group therapy
- Q&A (*closing remarks/feedback*)

**howest**  
hogeschool

## Our main actors today

A quick introduction





# git

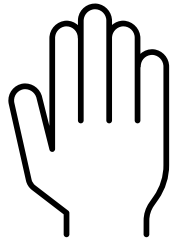
- free, open source
- distributed version control system
- small -> very large projects
- easy to learn



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

# GitHub

- platform / cloud-based service
- version control using git
- adds the options of;
  - access control
  - bug tracking
  - (software) feature requests
  - task management
  - continuous integration
  - wikis
  - ...



<https://github.com/>



# GitHub Classroom



<https://classroom.github.com/>



## A highlevel overview

Let's check what GitHub and GitHub Classroom could do for us

# GitHub

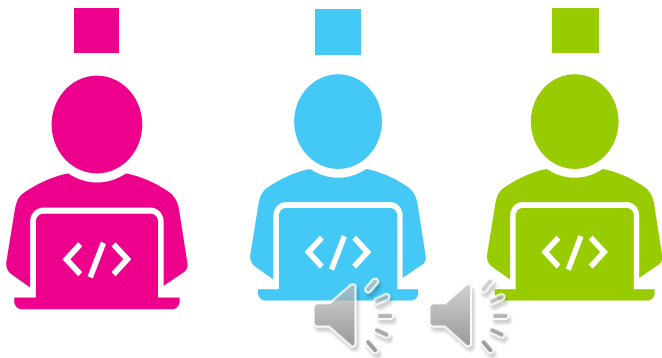
---



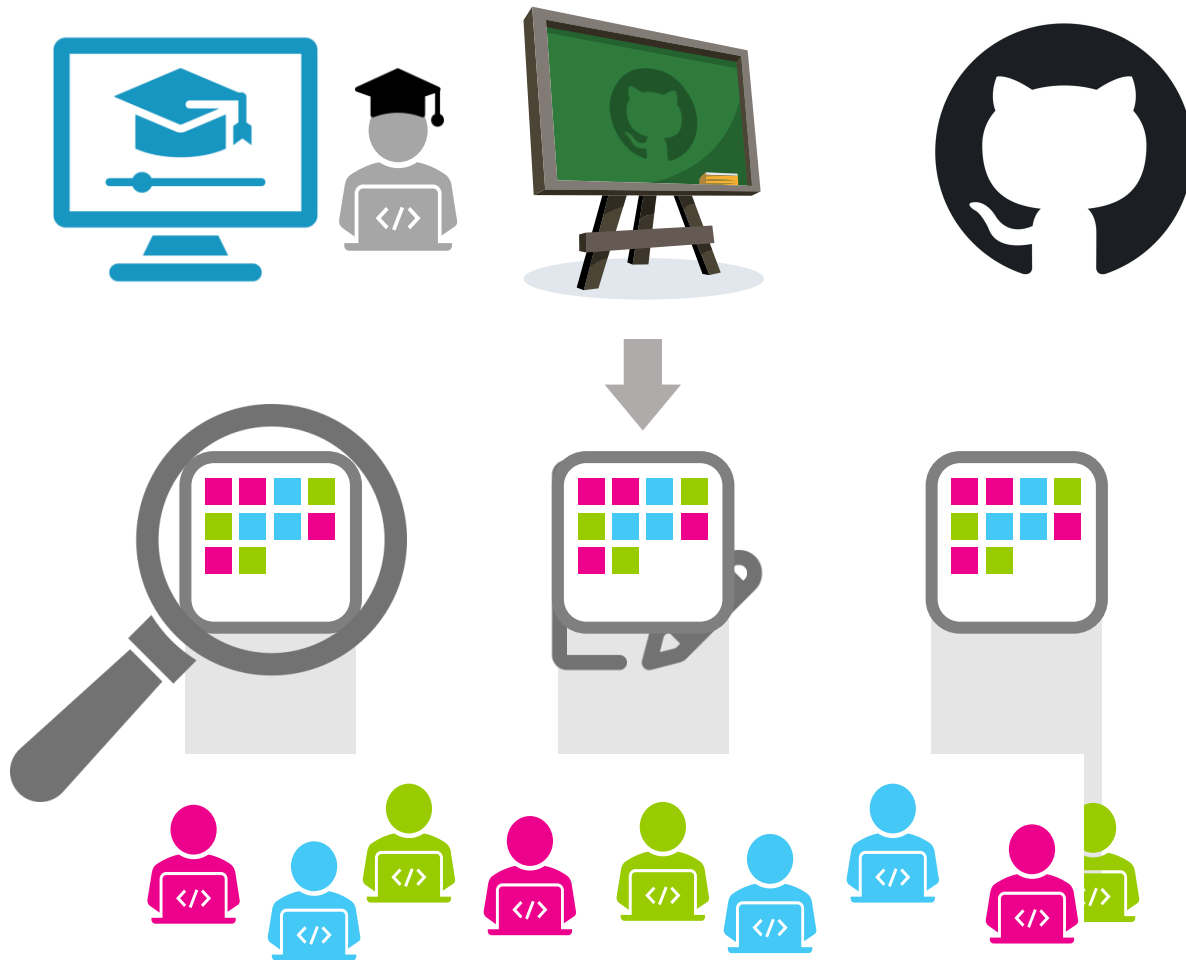
- Developer Team
- Repository
- Committing work
- Review committed work



- ✓ Collaboration on shared codebase
- ✓ History and versioning
- ✓ Peer reviews



# GitHub Classroom



- Classroom creation
  - Assignment creation
  - Team formation (optional)
  - Students accept assignment
- 
- ✓ Repository per team/student
  - ✓ Real-world versioning control
  - ✓ Educator reviews and feedback

# GitHub Classroom Features

---

## ✓ Create assignments

- individual or groups
- supports repository templates

## ✓ Automatic repository creation

## ✓ Grading and feedback

- feedback on code level
- autograding with unit tests

## ✓ Monitor assignments

- submissions
- late submissions

## ✓ Integrates with GitHub

- version control and history
- discussions and reviews
- integrated IDE (VS Code)
- development environment
- CI/CD tooling
- ...

# howest

hogeschool

## Hands on!

We've got something for you! 



# Before we dive deeper

---

Let's get to know each other through ...

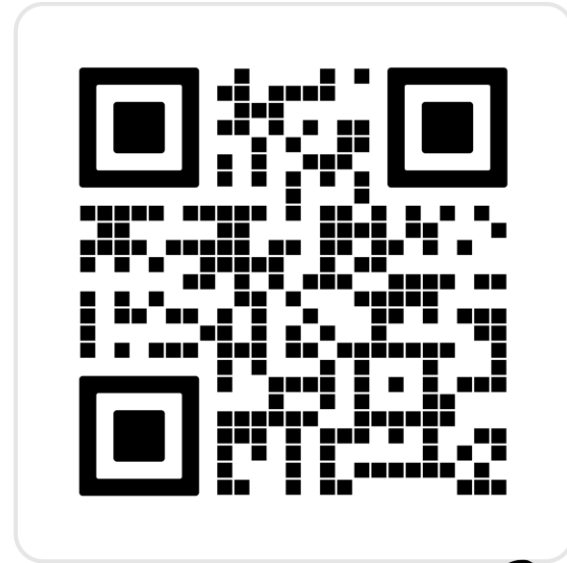
## A GitHub Classroom Assignment



You'll need a **GitHub** account!



Already have a **GitHub** account?

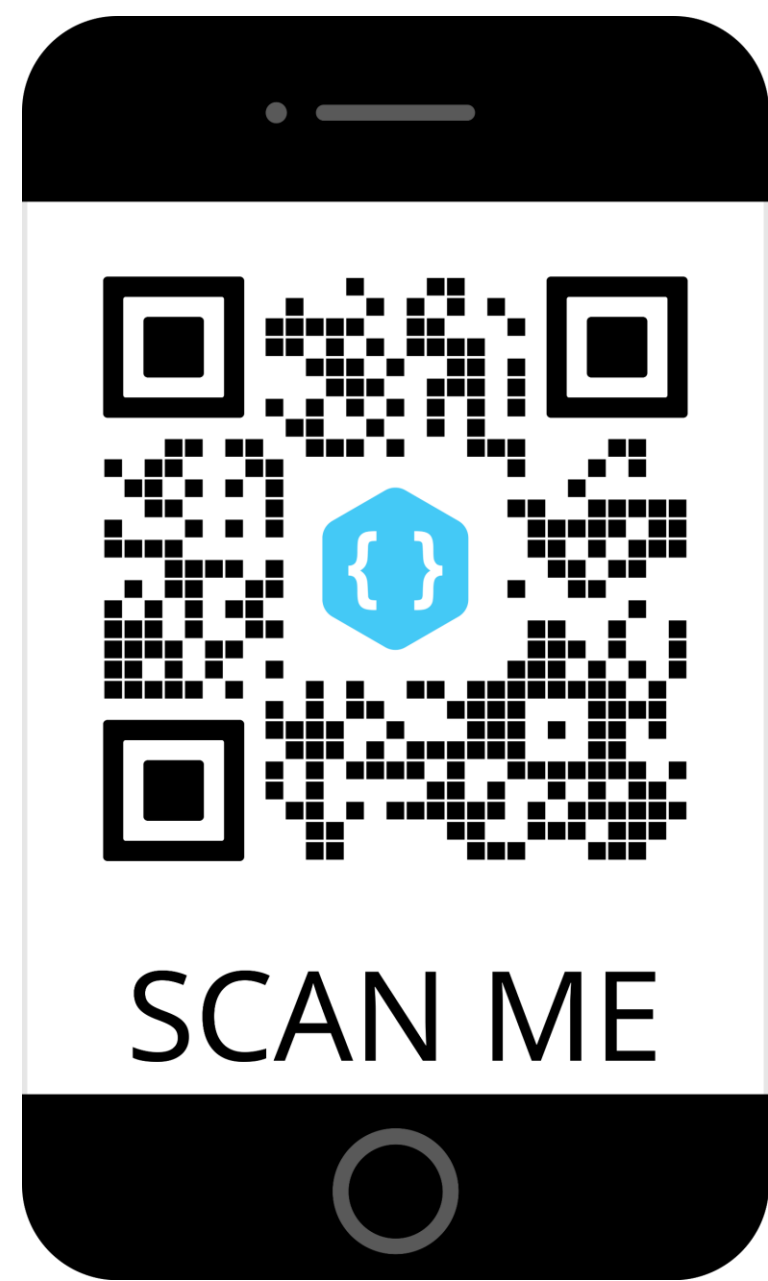


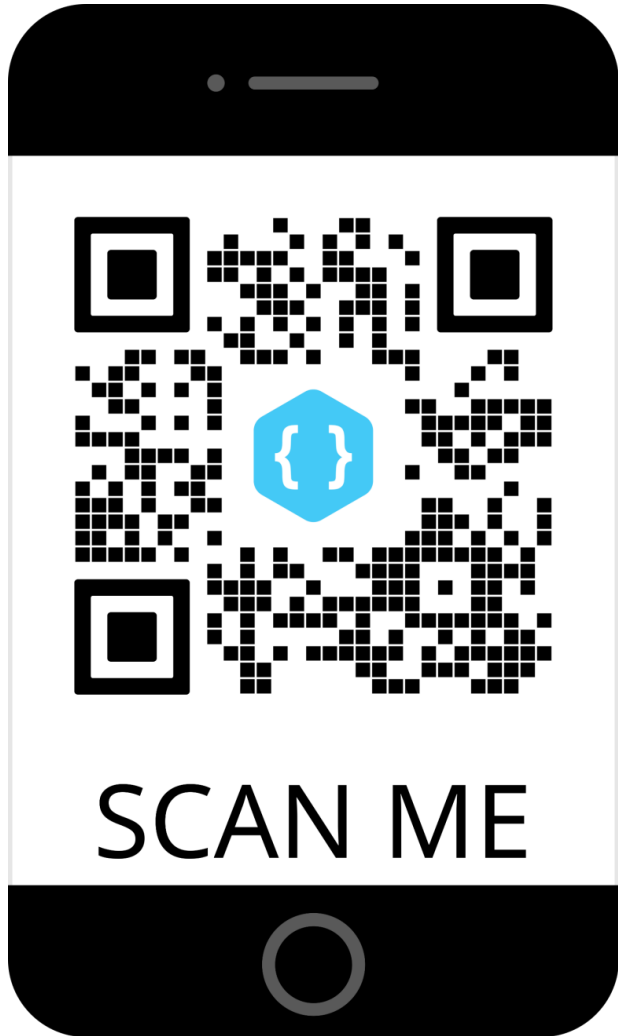
*SCAN ME*



<https://github.com>

→ Sign Up





Howest - Chain 5

## Accept the group assignment — Chain-5-Collaboration

Before you can accept this assignment, you must create or join a team. Be sure to select the correct team as you won't be able to change this later.

Join an existing team

Participants 0  
students

Join

OR Create a new team

Create a new team

+ Create team

# howest

hogeschool

## How much work did this take?

Let's take a look 👁️

# Step 1 - create an organisation

The screenshot shows the GitHub Organizations page for the user 'Howest'. The page displays a list of 39 organizations. The 'New organization' button is highlighted in green. The list of organizations includes:

Organization Name	Members	Repositories	Role
HIT lab Howest (Human Interface Technology Lab)	11	81	You're an organization owner
Howest Graduaat Programmeren	18	17	You're an organization owner
AIT - Advanced IT Skills	10	280	You're an organization owner
BIT - Basic IT Skills	6	243	You're an organization owner
Howest - Chain 5 Collaboration	2	2	You're an organization owner
CIA - Continuous Integration Advanced	13	298	You're an organization owner
CIA - Continuous Integration Advanced	1	2	You're an organization owner
CIB - Continuous Integration Basics	14	1,048	You're an organization owner
DBS - Databases	6	382	You're an organization owner
Innovative mobile integration at Howest Graduaat Programmeren	7	4	You're an organization owner

- One time only
- **Recommended** 💡
  - 1 Organisation per course
  - One stop shop for all course material
  - Align naming conventions and setup
- Simple and straightforward
- Customisation possible

# Step 2 - create a repository

The screenshot shows the GitHub organization page for 'Howest - Chain 5 Collaboration'. The organization's name is 'Howest - Chain 5 Collaboration' and its description is 'An organisation for Chain 5 collaboration, based on the Chain 5 workshop on integrating GitHub Classroom'. The page features a 'readme.md' file with the following content:

**Welcome to our GitHub Organization for Associate Degree Programs**

Hello there! Welcome to our collaborative hub where all associate degree programs can unite to explore, learn, and grow with GitHub and GitHub Classroom. Our mission is to foster a culture of collaboration and sharing of ideas across all programs, promoting an open and inclusive environment for working together.

This GitHub organisation was created in light of the [Chain 5 conference 2023](#) @Leeuwarden.

**Getting Started with GitHub**

If you're new to GitHub, worry not! Here's a quick guide to get you started:

1. [Sign up for a GitHub account](#) if you don't have one already.
2. There are a few ways to familiarize yourself with GitHub
  - using the [GitHub Learning Lab](#).
  - Dig in using [GitHub Skills](#)
3. Explore our [GitHub Organization](#) and join in wherever you like! At present there's not a lot of content yet, but that'll change shortly!

**Embracing GitHub Classroom**

GitHub Classroom is an amazing tool to streamline the coding education process. Here's how you can kickstart your journey:

1. [Getting Started with GitHub Classroom](#)
2. Explore some [example assignments](#) to get an idea of how GitHub Classroom can be utilized.
3. Join our [Discussion Forum](#) to share ideas, ask questions, and interact with other educators across programs.

**Collaboration and Sharing**

We believe in the power of working together. So let's kick-off with any ideas you might have to collaborate!

1. Participate in our [Community Discussions](#) to share experiences, ask questions, and offer support.

**Events and Workshops**

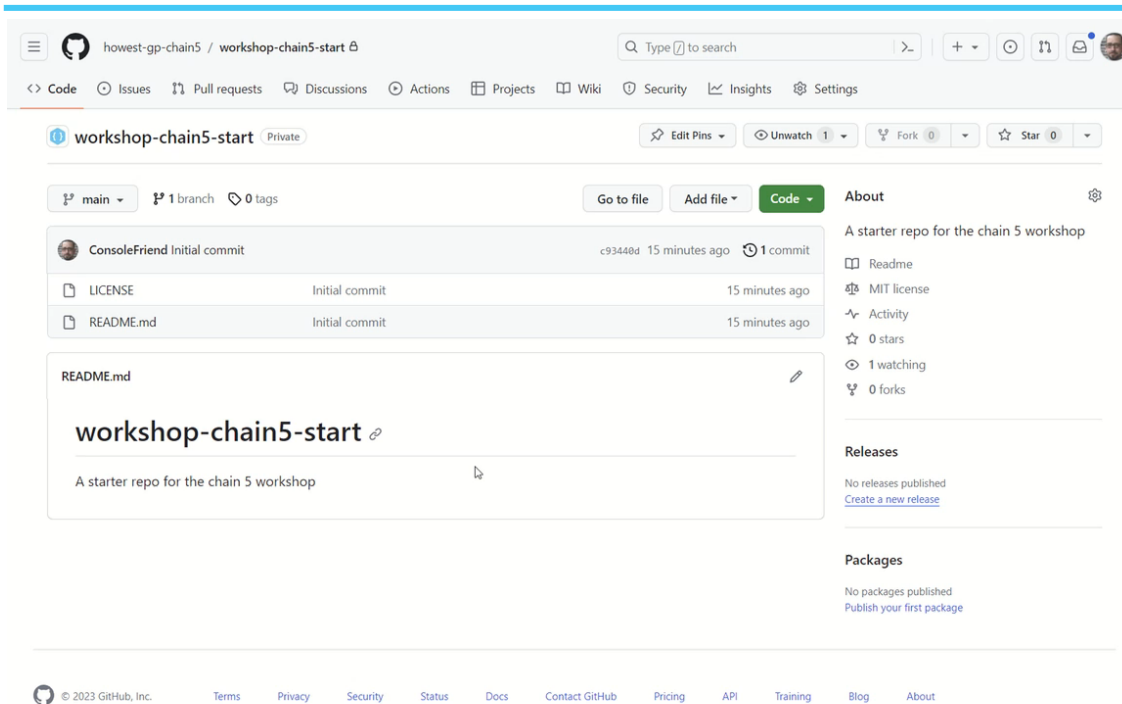
Do you have interesting links to upcoming events, workshops, webinars, and community meetups aimed at enhancing our collective knowledge and skills to share them with the community!

**Stay Connected**

Let's create a vibrant community of learning and sharing, and drive the future of education together!

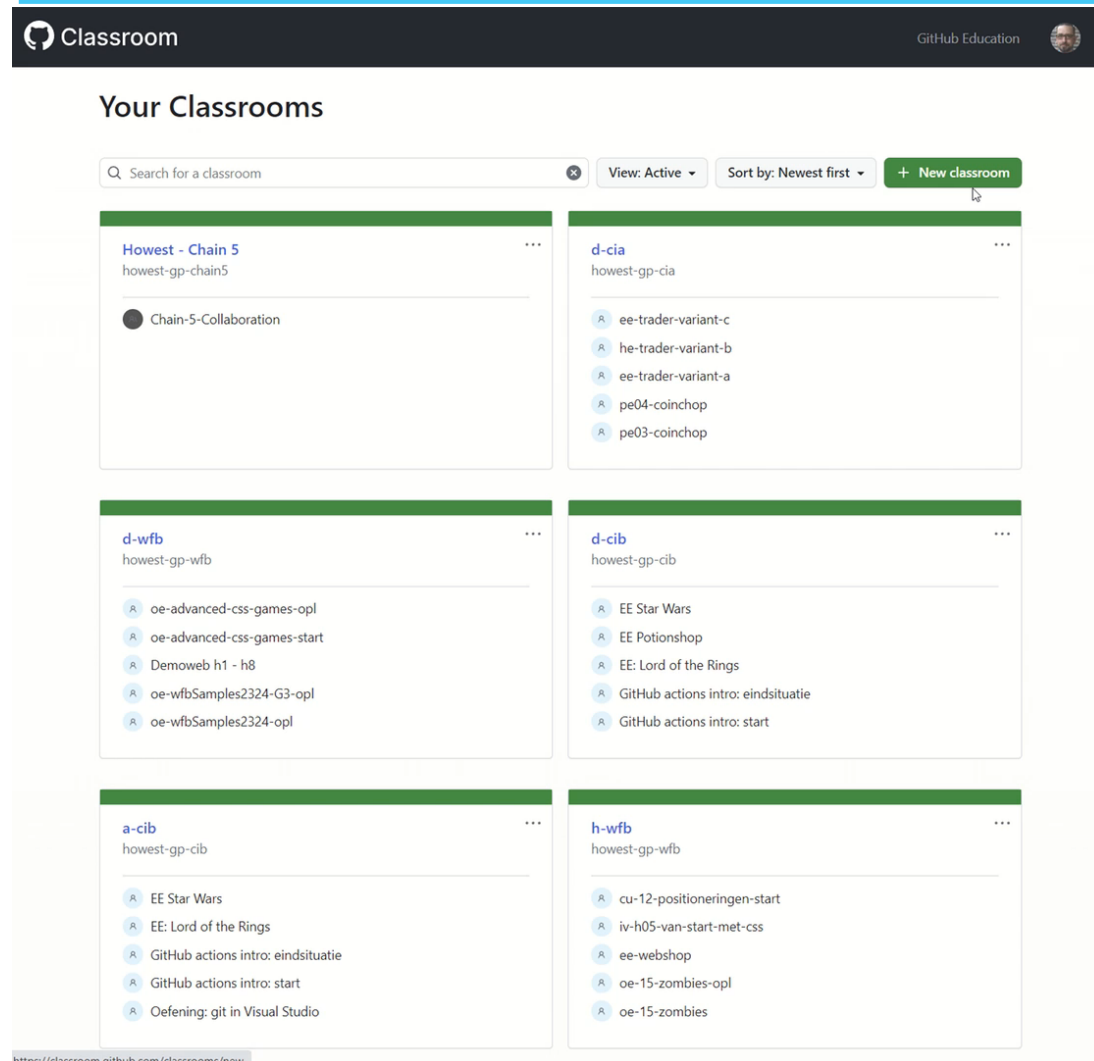
- Starting point
- For;
  - exercise
  - lab
  - demo
  - code sample
  - ...

# Step 3 - add information (code) to the repository




- Add code, information, guidelines, ...
- **Recommended** 💡
  - Align naming conventions and setup
  - Make use of markdown
- Simple and straightforward
- Customisation possible

# Step 3 - create a classroom



The screenshot shows the GitHub Classroom interface. At the top, there's a header with the Classroom logo and GitHub Education. Below the header, the page is titled "Your Classrooms". There's a search bar, a "View: Active" dropdown, a "Sort by: Newest first" dropdown, and a "+ New classroom" button. The main content area displays a grid of six classroom cards. Each card shows the classroom name, a list of students, and a "New classroom" button. The classrooms shown are:

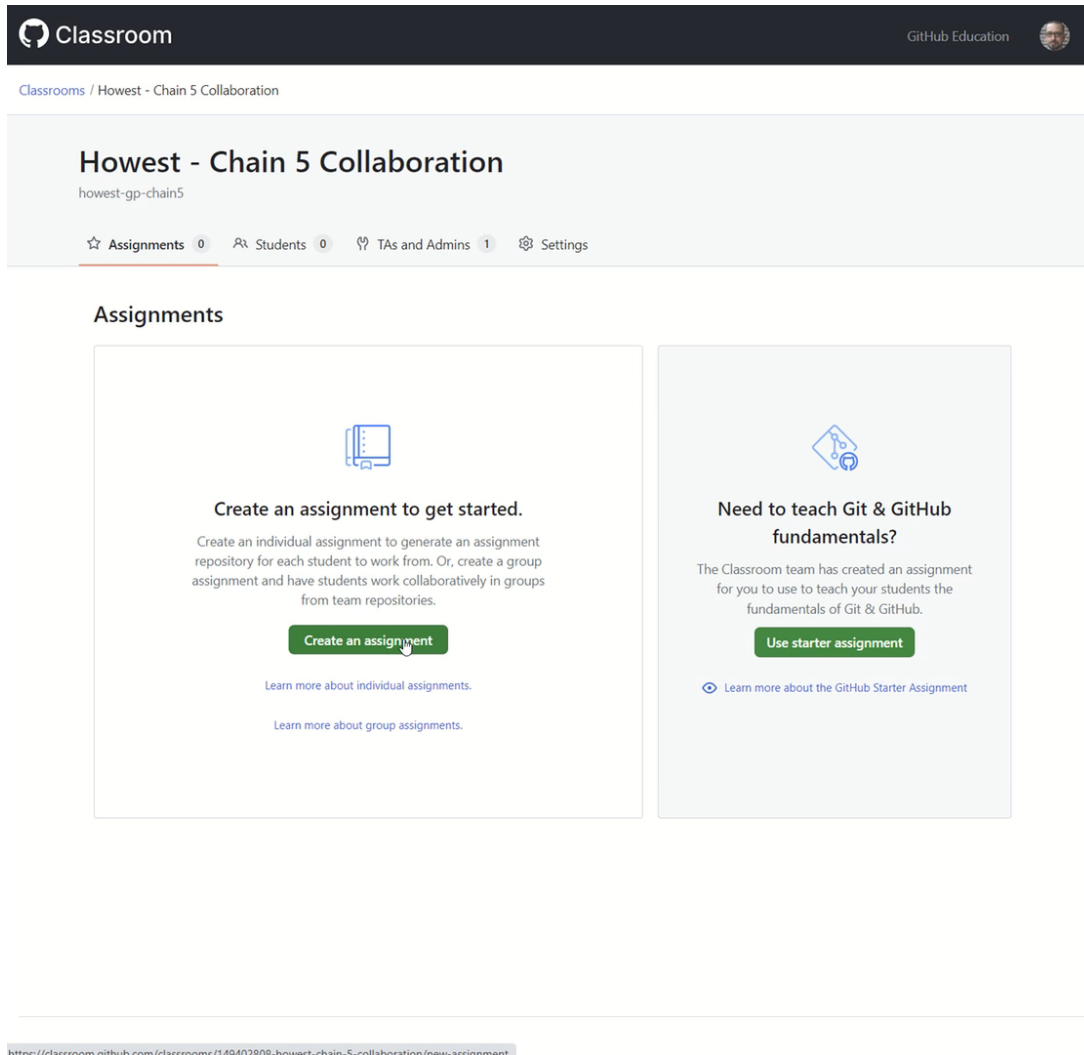
- Howest - Chain 5** (howest-gp-chain5): Chain-5-Collaboration
- d-cia** (howest-gp-cia): ee-trader-variant-c, he-trader-variant-b, ee-trader-variant-a, pe04-coinchop, pe03-coinchop
- d-wfb** (howest-gp-wfb): oe-advanced-css-games-opl, oe-advanced-css-games-start, Demoweb h1 - h8, oe-wfbSamples2324-G3-opl, oe-wfbSamples2324-opl
- d-cib** (howest-gp-cib): EE Star Wars, EE Potionshop, EE: Lord of the Rings, GitHub actions intro: eindsituatie, GitHub actions intro: start
- a-cib** (howest-gp-cib): EE Star Wars, EE: Lord of the Rings, GitHub actions intro: eindsituatie, GitHub actions intro: start, Oefening: git in Visual Studio
- h-wfb** (howest-gp-wfb): cu-12-positioneringen-start, iv-h05-van-start-met-css, ee-webshop, oe-15-zombies-opl, oe-15-zombies

- Link Classroom => Organisation
- Invite colleagues
- Add your students
  - Via Google Classroom
  - Canvas
  - Moodle
  - Sakai
  - Manually
- **Recommended** 
  - Align naming conventions and setup

<https://classroom.github.com/classrooms/new>



# Step 4 - setup an assignment (basics)




The screenshot shows the Classroom interface for a course titled "Howest - Chain 5 Collaboration". The page has a dark header with the Classroom logo and "GitHub Education" text. Below the header, there's a navigation bar with "Assignments" (0), "Students" (0), "TAs and Admins" (1), and "Settings". The main content area is titled "Assignments" and contains two cards. The left card is titled "Create an assignment to get started." and describes creating individual or group assignments, with a "Create an assignment" button and links to learn more. The right card is titled "Need to teach Git & GitHub fundamentals?" and describes a starter assignment, with a "Use starter assignment" button and a link to learn more. At the bottom left, there's a URL: <https://classroom.aitub.com/classrooms/149402808-howest-chain-5-collaboration/new-assignment>

- **Title**
  - Prefixes student repository
- Add a starting point  
(*can be blank*)
- Individual or group
- Optional use of Codespaces
- Optional use of Autograding  
(*test*)
- Optional use of feedback PR
- **Recommended** 💡
  - Private repositories
  - Align naming conventions and setup

# Step 5 - managing an assignment (students)

The screenshot shows the GitHub Classroom interface for creating an assignment. At the top, there's a navigation bar with 'Classroom' and 'GitHub Education' logos. Below it, a breadcrumb trail reads 'Classrooms / Howest - Chain 5 Collaboration / New assignment'. The main heading is 'Let's set up the basics for your assignment.' On the left, a sidebar titled 'Assignment creation steps' lists three items: 'Assignment basics' (selected), 'Starter code and environment', and 'Grading and feedback'. The main content area is divided into two sections. The first section, 'Assignment title \*', has a text input field containing 'Example Assignment'. Below it, 'Custom repository prefix \*' has a text input field with 'st-2324-1-d-a1' and a note: 'This will prefix each GitHub repository that is created for this assignment. May only contain alphanumeric characters, underscores or hyphens.' The 'Deadline' section has a date-time picker set to 'dd/mm/yyyy --:--' and a note: '(Optional) If left blank, there will be no deadline. Date format: YYYY-MM-DD HH:MM a'. The 'Individual or group assignment' section has a dropdown menu set to 'Individual assignment'. The second section, 'Repository visibility', has three radio buttons: 'Private' (selected), 'Public', and 'Grant students admin access to their repository'. Below 'Private' is the text: 'Private repositories will only be visible to the student and the classroom owners.' Below 'Public' is: 'Public repositories will be visible to everyone, including other students.' Below the third option is: 'Grant students admin access to their repository' and 'Editing this after assignments are created will not retroactively change permissions.' At the bottom right of the form are 'Cancel' and 'Continue' buttons. At the very bottom of the page is a footer with copyright information and various links.

- Title
  - Prefixes student repository
- Add a starting point (*can be blank*)
- Individual or group
- Optional use of Codespaces
- Optional use of Autograding
- Optional use of feedback PR
- Recommended 
  - Private repositories
  - Align naming conventions and setup

**howest**  
hogeschool

## The (potential) integration

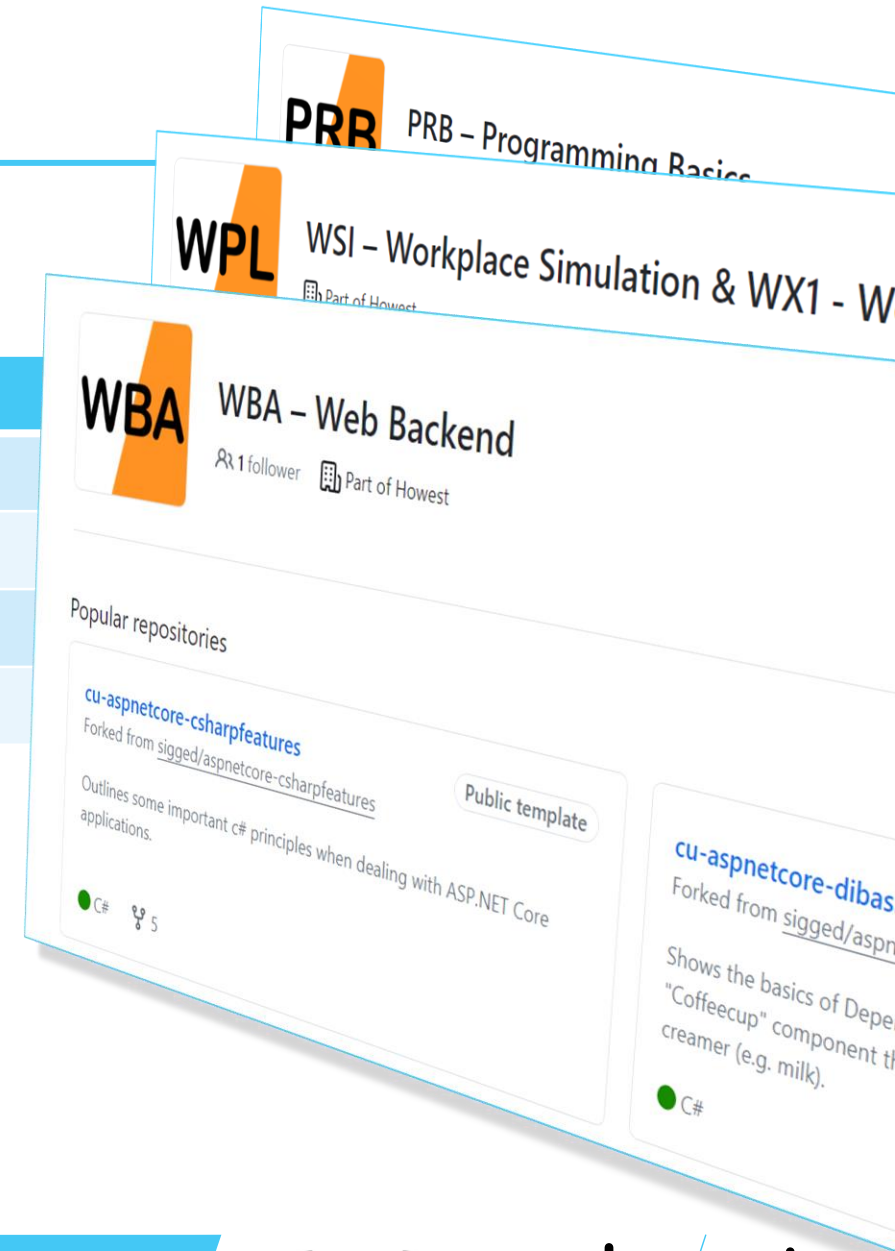
How can **you** integrate?

# Curriculum integration

Create one GitHub organization per Course Unit

Course Unit	Abbreviation	GitHub Organization
Programming Basics	PRB	<a href="https://github.com/howest-gp-prb">https://github.com/howest-gp-prb</a>
Web Backend	WBA	<a href="https://github.com/howest-gp-wba">https://github.com/howest-gp-wba</a>
...		
Workplace Learning	WPL	<a href="https://github.com/howest-gp-wpl">https://github.com/howest-gp-wpl</a>

- **Public** visibility
- Add educators as **admins**
- **No permissions** for students by default  
→ permissions are per repository, granted by GitHub Classrooms



# Curriculum integration

## Categorizing course materials on GitHub and GitHub Classroom



### Content

- Instructionals
- Example code
- Sample projects
- ...



### Exercises

- Free practice
- Challenges
- Project-based
- Solutions
- ...



### Tests

- Graded tests
- Exams
- Group-based projects
- Individual projects
- ...

### *Continuous evaluation*

→ Complements lectures

→ Iterative practice

→ Skill assessment

# Curriculum integration

Repositories

Q cu-

Type ▾

Language ▾

Sort ▾

New

19 results for public repositories matching cu- sorted by stars

Clear filter

**cu-xam-bucketlist** (Public)  
Example app with Xamarin.Forms and a shared class library to keep track of bucket lists  
C# 2 stars MIT 8 forks 0 issues 1 pull request Updated on Mar 31

**cu-xam-favesites** (Public)  
Illustrates basic unit testing in forms-based xamarin app  
C# 2 stars MIT 4 forks 0 issues 1 pull request Updated on Dec 8, 2022

**cu-xam-syncfusiondemo** (Public)  
C# 0 stars 1 fork 0 issues 0 pull request Updated on Sep 19, 2021

**st-2324-1-d-oe-h01-01-nathanael205** (Private)  
st-2324-1-d-oe-h01-01-nathanael205 created by GitHub Classroom  
C# 0 forks 0 stars 0 issues 1 pull request Updated on Sep 18

**st-2324-1-d-oe-h01-01-HWTThibault** (Private)  
st-2324-1-d-oe-h01-01-HWTThibault created by GitHub Classroom  
C# 0 forks 0 stars 0 issues 1 pull request Updated on Sep 18

Collection of exercises managed by GitHub Classroom  
Graded tasks, exams and projects available in the GitHub Classroom managed by GitHub Classroom  
available in the GitHub organization



## Tests

- Graded tests
- Exams
- Group-based projects
- Individual projects
- ...

resulting in private student repositories



# Tips for engaging exercises

---

- **Clear instructions**  
bundled with starter code or as a list of tasks
- **Progressive complexity**  
start easy, end with a challenge
- **Provide starter code**  
immediate focus on the learning objective
- **Use GitHub Actions**  
for automatic feedback on code quality
- **Encourage exploration**

# Demo: setup autograding and reviews

## Assignment basics

Assignment title \*

CSharp-Exercise

Custom repository prefix \*

st-sem1-csharp-exercise

This will prefix each GitHub repository that is created for this assignment. May only contain alphanumeric characters, underscores or hyphens.

Deadline

09/11/2023 20:00



(Optional) If left blank, there will be no deadline. Date format: YYYY-MM-DD HH:MM a

This is a cutoff date

If selected, the student will lose write access to their repository after the date is reached.

Assignment status

Active

Individual or group assignment

Individual assignment

Assignment type cannot be changed after assignment creation.



# Demo: student acceptance

GitHub Classroom

GitHub Education



Howest - Chain 5

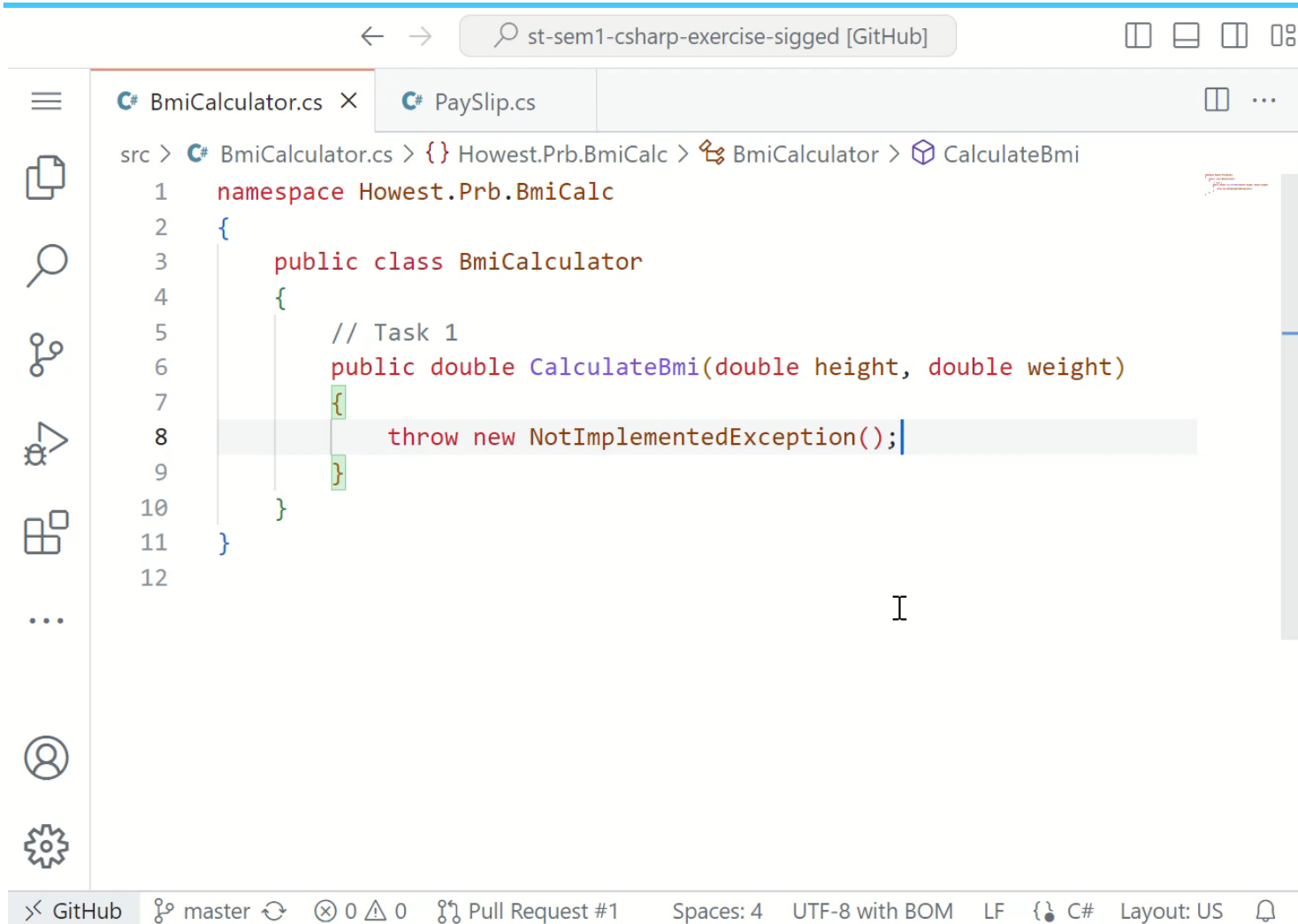
## Accept the assignment — CSharp-Exercise

Once you accept this assignment, you will be granted access to the `st-sem1-csharp-exercise-sigged` repository in the `howest-gp-chain5` organization on GitHub.



Accept this assignment

# Demo: student solves exercise



```
src > C# BmiCalculator.cs > {} Howest.Prb.BmiCalc > BmiCalculator > CalculateBmi
1  namespace Howest.Prb.BmiCalc
2  {
3      public class BmiCalculator
4      {
5          // Task 1
6          public double CalculateBmi(double height, double weight)
7          {
8              throw new NotImplementedException();
9          }
10     }
11 }
12
```

I

< GitHub master ↻ 0 0 Pull Request #1 Spaces: 4 UTF-8 with BOM LF C# Layout: US

# Demo: educator monitors progression

## Assignment Details

Accepted assignments **1**

1 Students

Assignment submissions **1**

1 Submitted 0 Not submitted

Passed students **0**

0/1 Passed 

Filter by passing ▾

Sort ▾

Filters ▾

### Total students



siggd

Submitted

@siggd

[Latest commit 2 minutes ago](#) ✖

🔗 1 commit 5/20



Repository



Feedback



[Terms](#) [Privacy](#) [Security](#) [Status](#) [Docs](#) [Contact GitHub](#) [Pricing](#) [API](#) [Training](#) [Blog](#) [About](#)



© 2023 GitHub, Inc.

# Demo: student finalizes exercise

```
9      TaxRate = taxRate;
10     }
11
12     public double HoursWorked { get; set; }
13     public double HourlyRate { get; set; }
14     public double TaxRate { get; set; }
15
16     // Task 2
17     public virtual double CalculateGrossPay()
18     {
19         throw new NotImplementedException();
20     }
21
22     // Task 3
23     public virtual double CalculateNetPay()
24     {
25         throw new NotImplementedException();
26     }
27
28 }
```

# Demo: autograding in action

## Assignment Details

Accepted assignments **1**

1 Students

Assignment submissions **1**

1 Submitted 0 Not submitted

Passed students **0**

0/1 Passed 

Filter by passing ▾

Sort ▾

Filters ▾

### Total students



siggd

Submitted

@siggd

[Latest commit 9 minutes ago](#) ✖

1 commit 5/20



Repository



Feedback



[Terms](#) [Privacy](#) [Security](#) [Status](#) [Docs](#) [Contact GitHub](#) [Pricing](#) [API](#) [Training](#) [Blog](#) [About](#)



© 2023 GitHub, Inc.

# Demo: reviews with fine-grained feedback

## Assignment Details

Accepted assignments **1**

1 Students

Assignment submissions **1**

1 Submitted 0 Not submitted

Passed students **1**

1/1 Passed 

Filter by passing ▾

Sort ▾

Filters ▾

### Total students



**sigged**

Submitted

@sigged

[Latest commit 6 minutes ago](#) ✓

3 commits 20/20

 Repository

 Feedback 

[Terms](#) [Privacy](#) [Security](#) [Status](#) [Docs](#) [Contact GitHub](#) [Pricing](#) [API](#) [Training](#) [Blog](#) [About](#)



© 2023 GitHub, Inc.

## Challenges?

























What did we encounter?  
How did we overcome?  
What resources are there?  
...

## Challenge !

- Students need basic knowledge of **git**

## Our solution 💡

- Add a course on the basics
  - git Porcelain commands suffice
  - Basics on GitHub

	SEMESTER 1 (30 SP)		SEMESTER 2 (30 SP)	SEMESTER 3 (30 SP)		SEMESTER 4 (30 SP)
 <p><b>APP DEVELOPMENT</b> (24 SP)</p>	Programming Basics (6 SP) 	Programming Advanced (5 SP) 	Programming Expert (6 SP) 	Mobile Development (9 SP) 		
 <p><b>WEB DEVELOPMENT</b> (21 SP)</p>	Web Frontend Basics (4 SP) 	Web Frontend Advanced (6 SP) 	Web Backend (9 SP) 			
 <p><b>INFRASTRUCTURE</b> (12 SP)</p>	Databases (6 SP) 	Basic IT Skills (3 SP) 	Advanced IT Skills (3 SP) 			
 <p><b>INTEGRATE</b> (15 SP)</p>	Continuous Integration Basics (3 SP) 			Programming Integration (6 SP) 	Programming Innovation (3 SP) 	
 <p><b>MAKE IT WORK!*</b> (48 SP)</p>	Workplace exploring (3 SP) 		Workplace simulation (6 SP) 	Workplace experience I (9 SP) 	Continuous Integration Advanced (3 SP) 	Innovative Project (9 SP) 








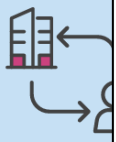


# Challenge !

- 18 courses – 18 colleagues
- Things tend to get wild*

# Our solution 💡

- Setup team conventions in the use of GitHub (Classroom)

	SEMESTER 1 (30 SP)	SEMESTER 2 (30 SP)	SEMESTER 3 (30 SP)	SEMESTER 4 (30 SP)
 <b>APP DEVELOPMENT</b> (24 SP)	<b>Programming Basics</b> (6 SP)	<b>Programming Advanced</b> (5 SP) 	<b>Programming Expert</b> (6 SP) 	<b>Mobile Development</b> (9 SP) 
 <b>WEB DEVELOPMENT</b> (21 SP)				<b>Workplace experience II</b> (21 SP)
 <b>INFRASTRUCTURE</b> (18 SP)				
 <b>INTEGRATE (1)</b>				
 <b>MAKE IT WORK</b> (48 SP)				

## GRADUAAT IN HET PROGRA

## HANDLEID

Versie 28/06/2022

### 2 RICHTLIJNEN

Wanneer je met een klasgroep aan de slag wil in GitHub, al dan niet in combinatie met GitHub Classroom, neem dan de volgende 5 richtlijnen in acht:

### 1 GEBUIK DE GITHUB ORGANIZATION VAN DE BETREFFENDE MODULE

In Bijlage 2: Organisaties vind je alle

Voorbeelden van GitHub Organization

- <https://github.com/howest-gp-s>
- <https://github.com/howest-gp-m>

### 2 LAAT ENKEL VOLLEDIGE

Vraag je studenten om hun volledige

<https://github.com/settings/profile>.

Hiermee vermijd je dat je moet uitzoeken

### 3 GEEF REPOSITORIES EEN

Door een uniforme naamgeving blijf je gesorteerd en maakt het makkelijk om te archiveren.

- **Module repositories** zijn niet gekoppeld met een voorzetsel in één van de volgende

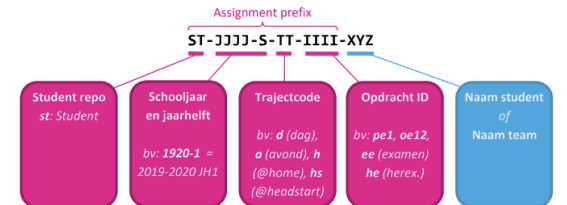
Type  
cu: Cursus  
iv: Instructie  
ee: Examen  
oe: Oefening  
pe: Opdracht

Voorbeelden van geldige namen:

cu-hello-world  
iv-mvvm-pattern  
ee03-fruitmand-opgave  
oe01-keywords-in-csharp-opgave  
oe01-keywords-in-csharp-oplossing  
pe03-methodes-en-properties-opgave

GitHub Classroom | Handleiding

- **Studenten repositories** zijn gekoppeld aan welbepaalde klasgroep in een schooljaar. Ze beginnen met een voorzetsel in één van de onderstaande formaten. Dit is tevens de prefix die je invult voor elke Assignment wanneer je werkt met GitHub Classroom.



Voorbeelden van geldige namen:

st-1920-1-d-ee-jan-janssens // de eindevaluatie van jan janssens tijdens 2019-2020 in dagtraject.  
st-1920-1-d-he-jan-janssens // het herexamen van jan janssens tijdens 2019-2020 in dagtraject  
st-2021-1-d-ee-jan-janssens // de eindevaluatie van jan janssens tijdens 2020-2021.  
st-2021-2-a-pe1-piet-pienter // ingave van evaluatie 1 tijdens semester 3 in een avondgroep  
st-2021-2-h-ee-piet-pienter // de eindevaluatie van piet pienter in een afstandstraject  
st-2021-2-hs-ee-bert-bibber // de eindevaluatie van bert bibber in een headstart traject  
st-2021-1-d-t4-dragon // ingave van groep "t4-dragon" tijdens dagtraject

### 4 KEEP 'EM PRIVATE

Om het vroegtijdig publiceren van evaluaties en het openbaar zetten van modeloplossingen te voorkomen, stel je de volgende repositories in als **private**:

- **Opgaves** en **modeloplossingen** van evaluaties
- **Studenten repositories** die hun opgaves voor evaluaties bevatten






Voor andere repositories zoals cursusvoorbeelden, code voor instructievideo's, oefeningen, modeloplossingen van oefeningen staat het je uiteraard vrij om deze publiek, dan wel privaat in te stellen.

## Challenge !

- Recreate an organisation / Classroom every semester

## Our solution 💡

- Archive student repos  
(*easy due to conventions*)
- Reuse organisation + Classroom

	SEMESTER 1 (30 SP)		SEMESTER 2 (30 SP)	SEMESTER 3 (30 SP)		SEMESTER 4 (30 SP)
 <b>APP DEVELOPMENT</b> (24 SP)	Programming Basics (6 SP)	Programming Advanced (5 SP)	Programming Expert (6 SP)	Mobile Development (9 SP)		Workplace experience II (21 SP)
 <b>WEB DEVELOPMENT</b> (21 SP)	Web Frontend Basics (4 SP)	Web Frontend Advanced (6 SP)	Web Backend (9 SP)			
 <b>INFRASTRUCTURE</b> (12 SP)	Databases (6 SP)	Basic IT Skills (3 SP)	Advanced IT Skills (3 SP)			
 <b>INTEGRATE</b> (15 SP)	Continuous Integration Basics (3 SP)			Programming Integration (6 SP)	Programming Innovation (3 SP)	
 <b>MAKE IT WORK!*</b> (48 SP)	Workplace exploring (3 SP)	Workplace simulation (6 SP)	Workplace experience I (9 SP)	Continuous Integration Advanced (3 SP)	Innovative Project (9 SP)	



Resources

Report	Coverage period	
<b>SOC 1, Type 2 Report</b> The SOC 1, Type 2 report documents GitHub's internal controls that may be relevant to a customer's financial statements. The GitHub SOC reporting period concludes September 30. New SOC 1 & SOC 2 reports will be available by the end of November.	2021-10-01 to 2022-09-30	<a href="#">Download</a>
<b>SOC 1, Type 2 Bridge Letter</b> Accompanying bridge letter for the SOC 1, Type 2 report. The bridge letter will cover the period from October 1 - December 31. The letter will be available by the end of January the following year.	2022-10-01 to 2022-12-31	<a href="#">Download</a>
<b>SOC 2, Type 2 Report</b> The SOC 2, Type 2 report evaluates GitHub's controls relevant to operations, security, and compliance upon which a customer may rely. The GitHub SOC reporting period concludes September 30. New SOC 1 & SOC 2 reports will be available by the end of November.	2021-10-01 to 2022-09-30	<a href="#">Download</a>
<b>SOC 2, Type 2 Bridge Letter</b> Accompanying bridge letter for the SOC 2, Type 2 report. The bridge letter will cover the period from October 1 - December 31. The letter will be available by the end of January the following year.	2022-10-01 to 2022-12-31	<a href="#">Download</a>
<b>GitHub.com ISO/IEC 27001:2013 certification</b> This certificate is evidence of the GitHub Information Security Management System conformance with the ISO/IEC 27001:2013 standard as a result of an audit performed by an ANAB-accredited certification body.	2022-05-06 to 2025-05-05	<a href="#">Download</a>
<b>GitHub.com ISO/IEC 27701:2019 certification</b> This certificate is evidence of the GitHub Privacy Information Management System conformance with the ISO/IEC 27701:2019 standard as a result of an audit performed by an ANAB-accredited certification body.	2023-05-25 to 2025-05-05	<a href="#">Download</a>
<b>GitHub.com ISO/IEC 27018:2019 certification</b> This certificate is evidence of the GitHub Information Security Management System conformance with the ISO/IEC 27018:2019 standard as a result of an audit performed by an ANAB-accredited certification body.	2023-05-25 to 2025-05-05	<a href="#">Download</a>
<b>GitHub.com CSA STAR Level 2 certification</b> This certificate is evidence of the GitHub's conformance with the Cloud Controls Matrix (CCM) in coordination with an assessment of the ISO/IEC 27001:2013 standard performed by an ANAB-accredited certification body.	2023-06-27 to 2025-05-05	<a href="#">Download</a>
<b>GitHub.com Services Continuity and Incident Management Plan</b> The Services Continuity and Incident Management Plan documents the measures GitHub has taken to respond to significant business disruptions.	Last updated 2023-04-14	<a href="#">Download</a>
<b>CSA CAIQ</b> The Cloud Security Alliance Consensus Assessment Initiative Questionnaire (CSA-CAIQ or CAIQ) is a self-assessment that evaluates a cloud provider against CSA's Cloud Control Matrix.		<a href="#">View</a>



GitHub Docs

Version: Free, Pro, & Team

← All products

Site policy

- GitHub Terms
- Acceptable Use Policies
- Privacy Policies**
- Other Site Policies
- Content Removal Policies
- Security Policies
- GitHub Company Policies

Site policy / Privacy Policies

# GitHub Privacy Statement

Effective date: October 10, 2023

Thanks for entrusting GitHub, Inc. or GitHub B.V. ("GitHub", "we", "us" or "our") with your source code, your projects, and your personal data. This Privacy Statement explains our practices regarding the collection, use, and disclosure of your data, including any personal data we collect and process in connection with our website and any applications, software, products, and services provided by GitHub, including any Beta Previews (collectively, the "Service(s)").

All capitalized terms have their definition in [GitHub's Terms of Service](#), unless otherwise noted here.

## The short version

We use your personal information as this Privacy Statement describes. No matter where you are, where you live, or what your citizenship is, you have the same high standard of privacy protection when using GitHub's products as all our users around the world, regardless of their country of origin or location.

To see our Privacy Notice for U.S. Residents, please go to [GitHub's Notice about U.S. State Data Privacy](#) or scroll down.



# Resources

---



<https://docs.github.com/>



<https://docs.github.com/en/get-started/getting-started-with-git>



<https://education.github.com/pack#offers> For students



<https://github.com/howest-gp-chain5>



<https://github.com/howest-gp/conventions>

**Fun Fact** 💡 **We run approx. 30k + repositories each semester!**

**howest**  
hogeschool

Group therapy!

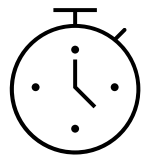


# Group therapy!

---

 Small 'break-out' teams

- ? After our short session, do you see possibilities to integrate GitHub / GitHub Classroom in your program.
- ? Do you think it's interesting to collaborate further on this topic within the chain5 setting.
- ? Do you still have questions or concerns you'd like to raise.



15 minutes









# feedback



## Keep in touch!

# links & contact

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

 <https://github.com/>

 <https://classroom.github.com/>

 [https://classroom.github.com/a/L\\_B7CDPX](https://classroom.github.com/a/L_B7CDPX)

 <https://github.com/howest-gp-chain5>



Siegfried Derdeyn – [Siegfried.Derdeyn@howest.be](mailto:Siegfried.Derdeyn@howest.be)  
[@sigged](#)



Joachim Francois - [Joachim.Francois@howest.be](mailto:Joachim.Francois@howest.be)  
[@ConsoleFriend](#)