



The  
Hitchhiker's  
Guide To CS

Git

Workflow

Account

PyCharm

Gitignore

Nieuw project

Bestaand  
project

Basics

Don'ts

Do's

Merge  
conflicts

Planning

# The Hitchhiker's Guide To Computer Science

## Sessie 3

Arno Stijn Senne Toon Mateo



Universiteit Antwerpen



WINAK



# Inhoudstafel

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2/15

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# Git

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- ▶ Collaborate
- ▶ Version Control
- ▶ Open Source



**In case of fire**



1. git commit



2. git push



3. leave building



# Workflow I

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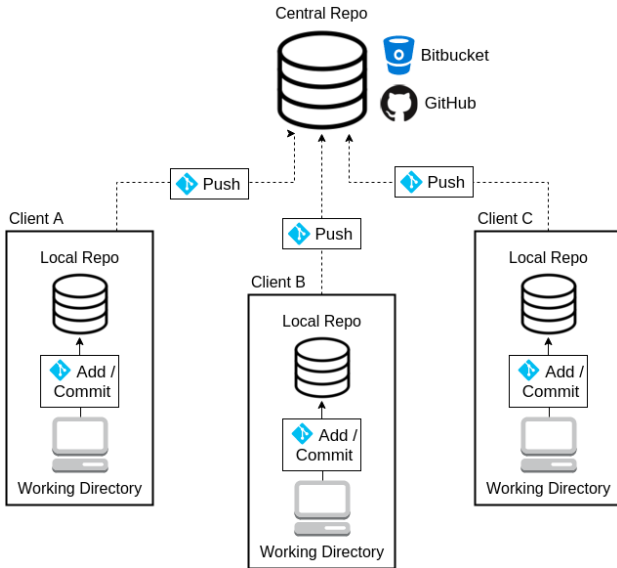
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# Create a git account

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[github.com](https://github.com) 

- ▶ Gebruik studentenmail:  
voornaam.achternaam@student.uantwerpen.be
- ▶ Gebruik herkenbare naam

[Student developer pack](#) 

- ▶ **Geeft mogelijkheid tot private repositories!**



# Git in PyCharm

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1. Type: *Ctrl + Alt + s*
2. Navigeer naar: *Version Control – GitHub*
3. Add account



# .gitignore

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1. Maak .gitignore file in root van project
2. Best toe te voegen (voor nu)
  - ▶ *.idea*
  - ▶ *--pycache--*
  - ▶ *venv*
  - ▶ *env*
3. Ook regex mogelijk (\*.txt)



# Instellingen bij een nieuw project

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1. Nieuwe github repository
  - ▶ Zet type op **Private!**
2. Check out from Version Control - Git
3. Kies project uit dropdown of plak URL





# Beginnende van een bestaand project

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1. VCS
2. Import into Version Control - Create git repository
3. Import into Version Control - Share project on GitHub
4. Laat best naam staan
5. Zet op private (Remote: origin niet aanpassen)



# Basics

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▶ commit

▶ push

▶ pull



# Don'ts

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- ▶ Niet werkende code pushen
- ▶ Push nooit code die afhankelijk is van absolute paden
- ▶ Push geen persoonlijke folders (pycache, env) → .gitignore



# Do's

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► **Pull voordat je een push doet**



# Merge conflicts I

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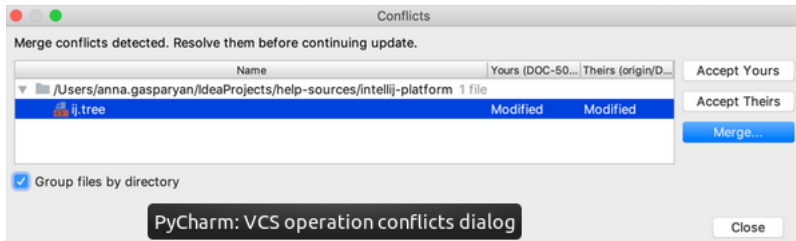
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# Merge conflicts II

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Merge Revisions for C:\IdeaProjects\help-sources\unintelligible-platform\topics\install\_and\_set\_up\_product.xml

3 changes 1 conflict

Local Changes (Read-only)	LF	Result	CR/LF	Changes from Server (revision c342407e563428a6a781d1abbe37a5...)	
(32 or 64 bit)	4.6	4.6		(32 or 64 bit)	4.9
</td>	4.7	4.7		</td>	5.0
<td>	4.8	4.8		<td>	5.1
MacOS 10.5 or higher	4.9	4.9		MacOS 10.5 or higher	5.2
 	5.0	5.0		 	5.3
(only 64-bit systems are	5.1	5.1		(only 64-bit systems are sup	5.4
</td>	5.2	5.2		</td>	5.5
<td>	5.3	5.3		<td>	5.6
<list type="bullet">	5.4	5.4		<list type="bullet">	5.7
<li>	5.5	5.5		<li>	5.8
OS Linux (note that	5.6	5.6		OS Linux (note that	5.9
</li>	5.7	5.7		</li>	6.0
<li>	5.8	5.8		<li>	6.1
XDE, GNOME or Un	5.9	5.9		XDE, GNOME or Un	6.2
</li>	6.0	6.0		</li>	6.3
</list>	6.1	6.1		</list>	6.4
</td>	6.2	6.2		</td>	6.5
</tr>	6.3	6.3		</tr>	6.6
</table>	6.4	6.4		</table>	6.7
</chapter>	6.5	6.5		</chapter>	6.8
<chapter title="Download and install #product">	6.6	6.6		<chapter title="Download and install #product">	6.9
<p>	6.7	6.7		<p>	7.0
#product is available in two editio	6.8	6.8		#product is available in two editio	7.1
The Community edition is an open-sou	6.9	6.9		The Community edition is an open-sou	7.2
edition is commercial, and provides	7.0	7.0		edition is commercial, and provides	7.3
see the <a href="https://www.jetbrains.com/idea/faq/#community-edition">Community edition	7.1	7.1		see the <a href="https://www.jetbrains.com/idea/faq/#community-edition">Community edition	7.4
</p>	7.2	7.2		</p>	7.5
<p>	7.3	7.3		<p>	7.6
To install #product	7.4	7.4		To install #product	7.7
</p>	7.5	7.5		</p>	7.8
<list type="decimal">	7.6	7.6		<list type="decimal">	7.9
<li>	7.7	7.7		<li>	8.0
<a href="https://www.jetbrains.com/idea/faq/#community-edition">Community edition	7.8	7.8		<a href="https://www.jetbrains.com/idea/faq/#community-edition">Community edition	8.1
</li>	7.9	7.9		</li>	8.2

Accept Left Accept Right

Apply Abort



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24 Sep

WINAK - Cursusdienst - Lessenrooster -  
Email

27 Sep

Dual Boot - Virtual Box (practicum)

12 Nov

Git for beginners

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Tweede semester    Git advanced