



AAE2004 Introduction to Aviation Systems AAE Design of Path Planning Algorithm for Aircraft Operation

Week 8 (First Week) – Introduction to GitHub Operations

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Mutual editing on a document with collaborators remotely?

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Article Processing Charges.pdf	19/4/2021 9:33 AM	Adobe Acrobat D	118 KB
cover letter.docx	28/7/2020 12:26 PM	Microsoft Word D	17 KB
🛂 figure.pptx	22/6/2020 11:11 AM	Microsoft PowerP	7,122 KB
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References.docx	14/7/2020 9:16 AM	Microsoft Word D	18 KB

Download files from various channels, such as mail, whatsapp, etc?

Can we edit the documents online? Google, Microsoft has the solutions!

Can we edit the "code" online?

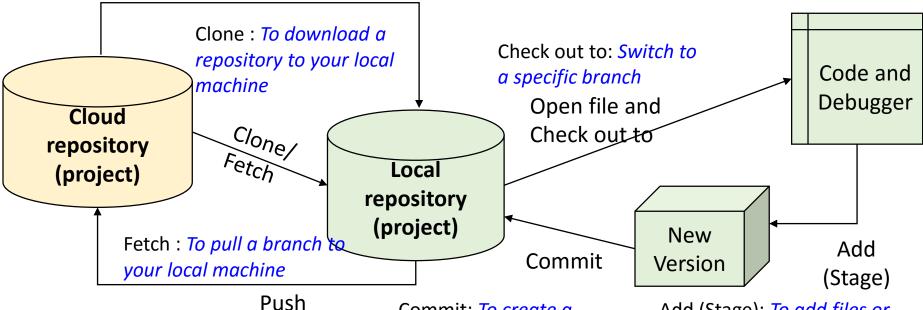




Archive your coding online (in the cloud)

Pull: To update local branch with remote, update all remote tracking branches

Video: VSC-Git Basic Operations



Push: *To upload the commit*

made on a local branch to GitHub

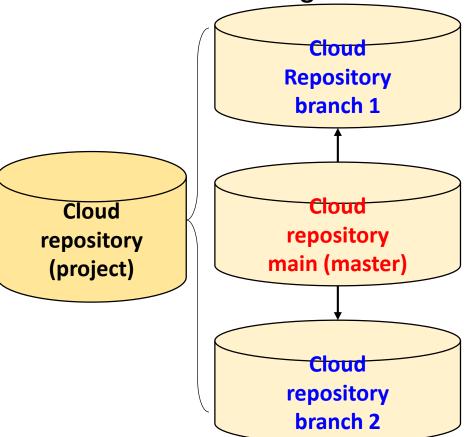
Commit: To create a snapshot of the repository

Add (Stage): To add files or segments in the next commit





Collaborative coding online – Generate Branch (Member)

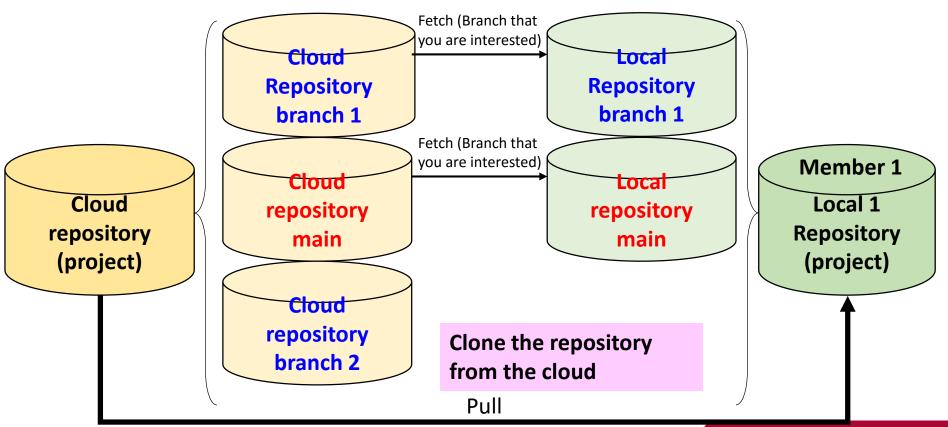


To generate a branch for different member that participant the project, creating a contained area of your repository to develop features, fix bugs and more.





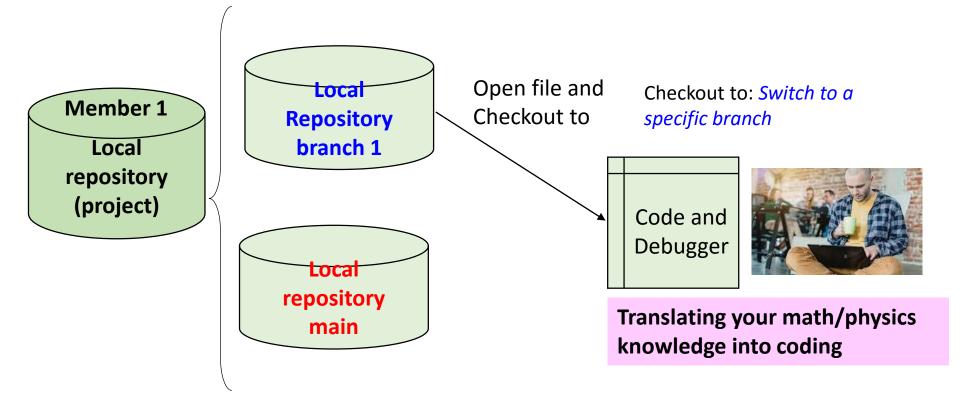
Collaborative coding online – Fetch/Pull Branch from Cloud







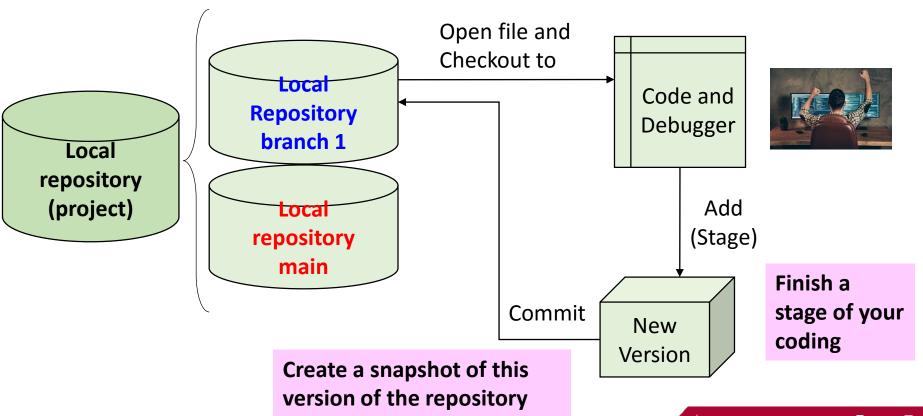
Collaborative coding online – Edit the code in the local computer





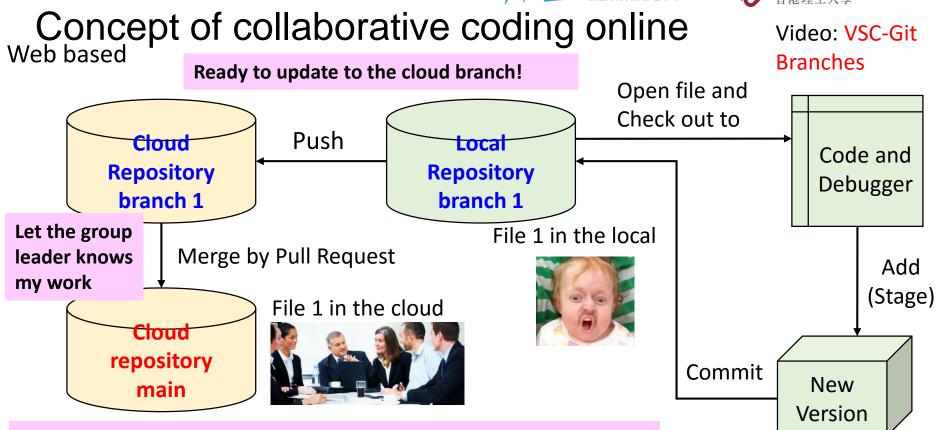


Collaborative coding online – Edit the code in the local computer

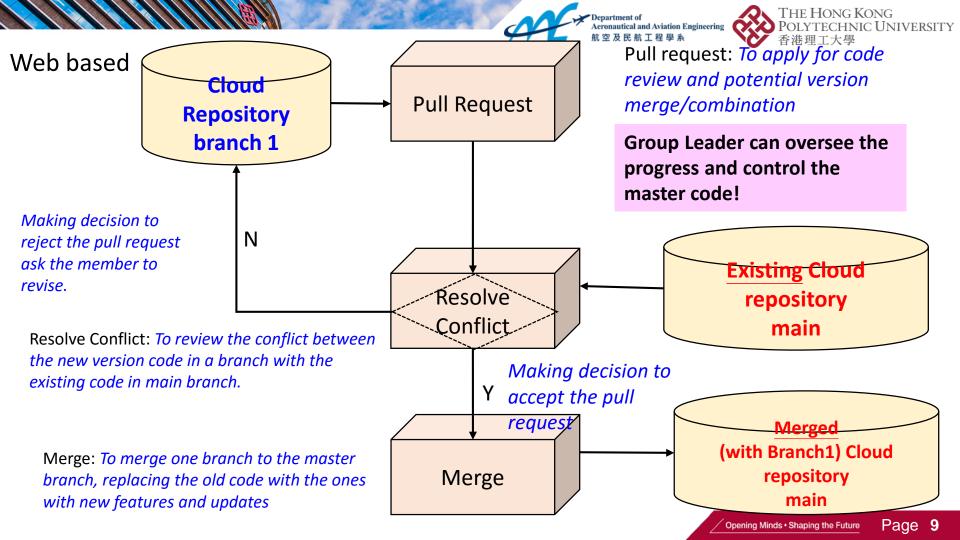


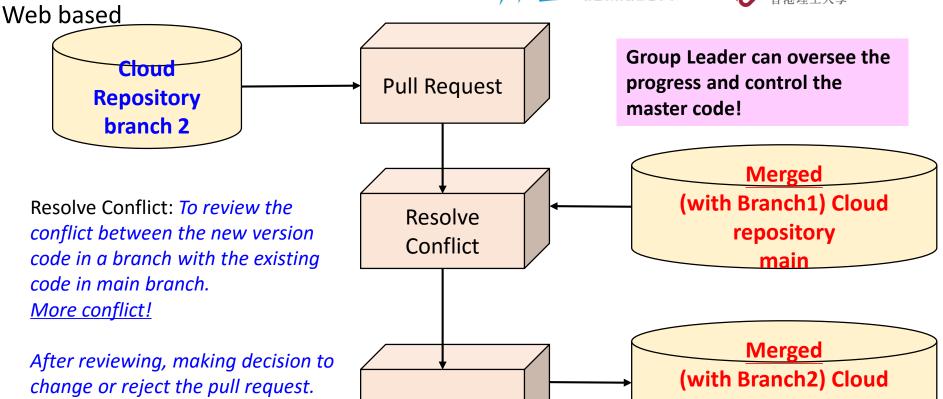






If the project leader does not know what you upload to the source code, you will create a lot of confusions!





Merge

repository

main



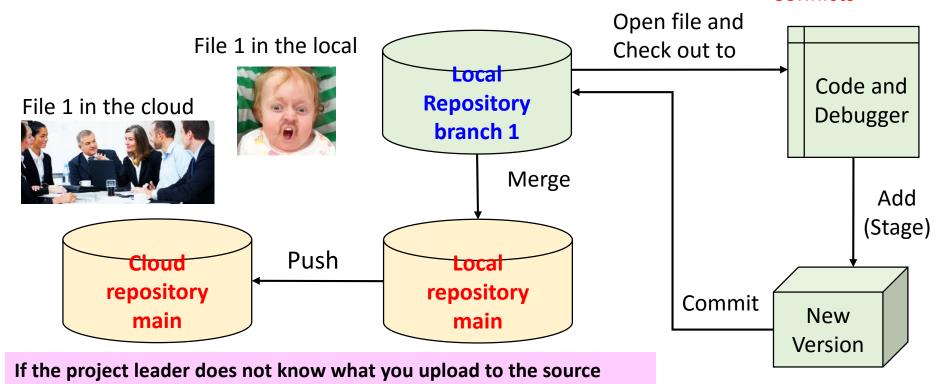


Concept of collaborative coding online

VS code based

code, you will create a lot of confusions!

Video: VSC Git Conflicts



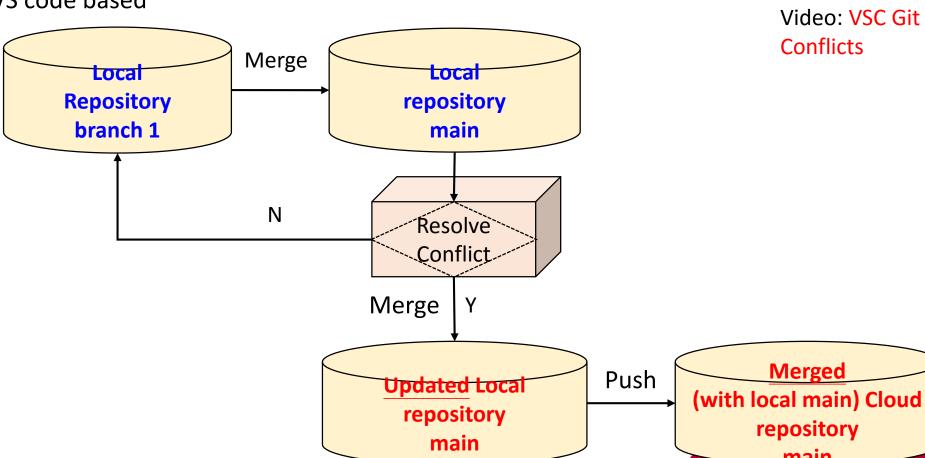




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GitHub Tutorial Videos (Web Version)

- Signing Up: https://www.youtube.com/watch?v=djwgi6YpZWY&ab_channel=POLYUIPNL
- Group Leader Operations: https://www.youtube.com/watch?v=xmy9UaXZqAI&ab_channel=POLYUIPNL
- Group Member Operations: https://www.youtube.com/watch?v=xVtcexks7EA&ab_channel=POLYUIPNL
- Creating New Repository + Setup: https://www.youtube.com/watch?v=fD6x3wborEI&ab_channel=POLYUIPNL
- Commit & Merge: https://www.youtube.com/watch?v=34bSuMcdHP4&ab_channel=POLYUIPNL
- Commit & Merge (rejected): https://www.youtube.com/watch?v=6zPyvGKE804&ab_channel=POLYUIPNL
- Searching and Downloading: https://www.youtube.com/watch?v=5rtr63yCO0c&ab_channel=POLYUIPNL





GitHub Tutorial Videos (With VS Code)

- VSC Setup with GitHub: https://www.youtube.com/watch?v=GXbxHbjJQDc&ab_channel=POLYUIPNL
- VSC Setup with GitHub (Mac): youtube.com/watch?v=iUyr8iG1G8k&ab_channel=POLYUIPNL
- VSC Git Basic Operation: youtube.com/watch?v=juEEJkgq6fl&ab_channel=POLYUIPNL
- VSC Git Branches: https://www.youtube.com/watch?v=5qUDIFg5gAM&ab_channel=POLYUIPNL
- VSC Git Conflicts: https://www.youtube.com/watch?v=4JrCfXhmavg&ab_channel=POLYUIPNL
- VSC Commits & Pushes with web merges: https://www.youtube.com/watch?v=34bSuMcdHP4&ab_channel=POLYUIPNL
- VSC Pushing (No web): https://www.youtube.com/watch?v=dSWB5QCUdpE&ab_channel=POLYUIPNL