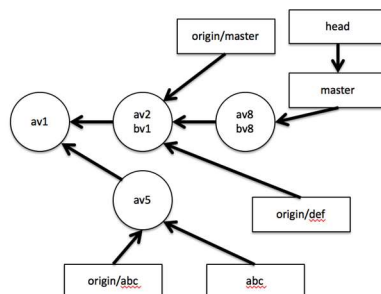


GIT

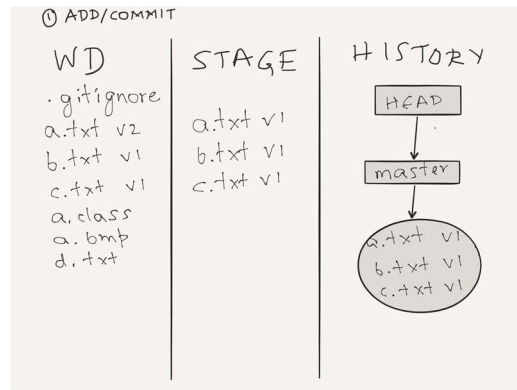
1. What are the two main reasons that developers need to use a tool like GIT?
2. Describe problems that are created for the developer, if he/she does not push his/her code often
3. Describe problems that are created for the developers TEAM, if he/she does not push his/her code often
4. What is the git command to list files that are in the index?
5. What is the git command to list files that are in a commit object (or snapshot)?
6. What are the git commands to Undo an add command (i.e. bring stage back to pre-add condition)?
7. What are the git commands to undo the changes made to a file in the working directory which were made after an add command?
8. What are the git commands to remove hundreds of "unwanted" files (such as class files or IDE specific files) from a commit?

9.



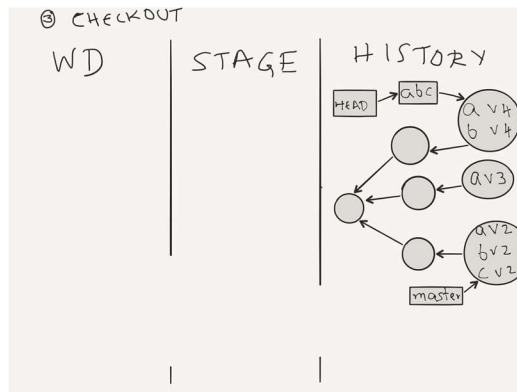
Do you understand all the parts in this diagram?

10.



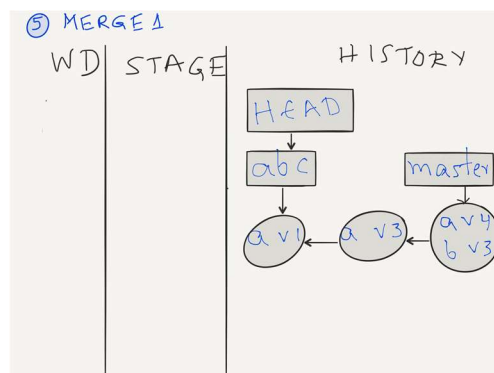
- Assume that .gitignore has *.class
- What happens on a **git add**. What happens on a **git commit**

11.



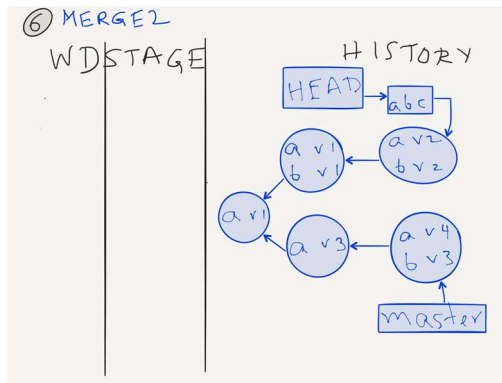
- What all happens on a git checkout master.

12.



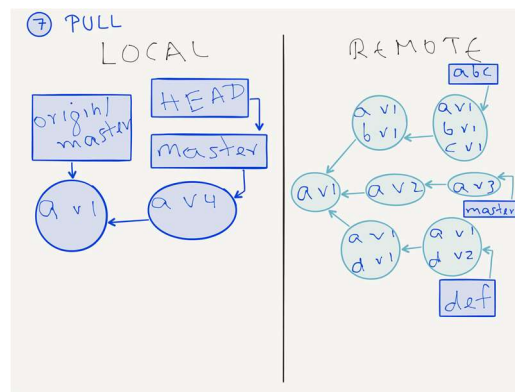
- BWhat happens on a **git merge master**? Assume clean status

13.



- What happens on a **git merge master**? Assume clean status

14.



- What happens on a **git pull origin master**
- What happens on a **git fetch**?

Teamwork

15. Pick one specific Cultural difference

(a) What is it?

(b) How can it cause issues?

(c) How can that issue be addressed?

16. Describe any two of the four negative roles (Aggressor, Blocker, Dominator, Disruptor)

17. Describe the negative impacts of such roles on the team in terms of morale, ability to

contribute ideas

18. If a team member exhibits a negative role, how can the entire team can work together to address the issue?

19. List five responsibilities of each ComS 309 student towards their team

20. What are the lessons from the Tortoise and Hare story?

SCRUM

21. Describe the SCRUM process model

22. Describe some shortcomings of the SCRUM process model

23. What are sprints?

24. What are some rules about sprints?

25. What is the role of the product owner?

26. What is the role of the SCRUM master?

27. What is the difference between product backlog and sprint backlog?

28. What are lists on a SCRUM board?

29. What is done during the daily standup?

30. What is the difference between sprint review (or demo) and sprint retrospective?

Requirements

- 31. What are the five steps in the requirements process?
- 32. What are non-functional requirements?
- 33. How does one generate "Complete" functional reqs?
- 34. How does one generate "complete" nonfunctional reqs?
- 35. What is an inverse requirement?
- 36. What are typical requirement specification problems?
- 37. Are the following use cases?
 - (a) User presses a button
 - (b) Response time should be less than 2 ms
 - (c) User withdraws money from an ATM
- 38. How are use-cases useful to analysts?
- 39. How are use-cases useful to developers?
- 40. How are use-cases useful to managers?