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### **Home-baked Version Control**

Pros: Easy to create and manage, all files are stored on your system, all files can be accessed locally

Cons: You jeopardize losing all progress if you don't backup your workstation, takes up memory storage, you work independently of other people on the project

### **Autocratic Version Control**

Pros: Servers are able to take and store backup copies of files, easier to collaborate on project

Cons: Conflicts can arise when merging

### **Centralized Version Control**

Pros: Projects are mainstreamed to help productivity

Cons: Commits are slower, if the main sever crashes then versions will be lost

### **Distributed Version Control**

Pros: Flexibility for remote work, edit local files, fix files remotely then merge, branches

Cons: Slower development, potential security issues

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Arrows:

- 1: Edit the file (`vim filename`)
- 2: Stage the file (`git add filename`)
- 3: Commit (`git commit`)
- 4: Remove the file (`git rm filename`)
- 5: Commit (`git commit`)
- 6: Unmodified and in master repository
- 7: Copies file to remote repository
- 8: `git pull (branch)`
- 9: `git add .`
- 10: `git push origin your-branch`
- 11: `git commit`
- 12: Check the current status, break down issues, commit the master independent file then the second merge. If worse comes to worse, you can abort the operation using `git merge --abort`.