

Name: Vinay Kumar

Git and GitHub case study assignment

GitHub link: <https://github.com/vinayz7/agecal/tree/main>

You are part of a small development team tasked with managing git tasks for a simple java/*.net/python/ruby application.

The application should allow users to:

Get/Create a simple application.

Requirements:

The application, the code in it should be different for each student.

Project Setup:

Create a new Git repository for the project.

Initialize the repository with a README.md file explaining the project.

Create a .gitignore file to exclude unnecessary files and directories from version control (e.g. *.class files, *.jar files etc.).

Initial Development:

Create a new branch for the initial development (feature/initial-development).

Get/Develop the core functionality of the application.

Make multiple commits

Commit your changes regularly with meaningful commit messages.

Push your changes to your remote repository (e.g., GitHub).

Collaboration:

Create a pull request to merge your feature/initial-development branch into the main branch.

Simulate a code review by requesting feedback from a classmate (or an imaginary reviewer) and addressing their comments.

Implement merge using different strategies like

Rebase your branch onto the main branch before merging to maintain a clean linear history.

Fast-Forward

3 way commit

With conflict fix the conflict

Please ensure to push all changes to github so that we have traceability.

Ensure all changes are done with Verified user commit (signatures)

Enhancements:

Create a new branch (feature-test).
Develop and test the new feature.
Create a pull request for the feature-test branch.
Bug Fixes:

Create a new branch (bugfix/issue-1) to fix a bug you introduced in a previous commit.
Fix the bug and test thoroughly.
Create a pull request for the bugfix/issue-1 branch.
Version Control:

Create a tag (e.g., v1.0) to mark the initial release of the application.
Create a new branch (feature/new-ui) for a major UI/UX redesign.
Git LFS (Optional):

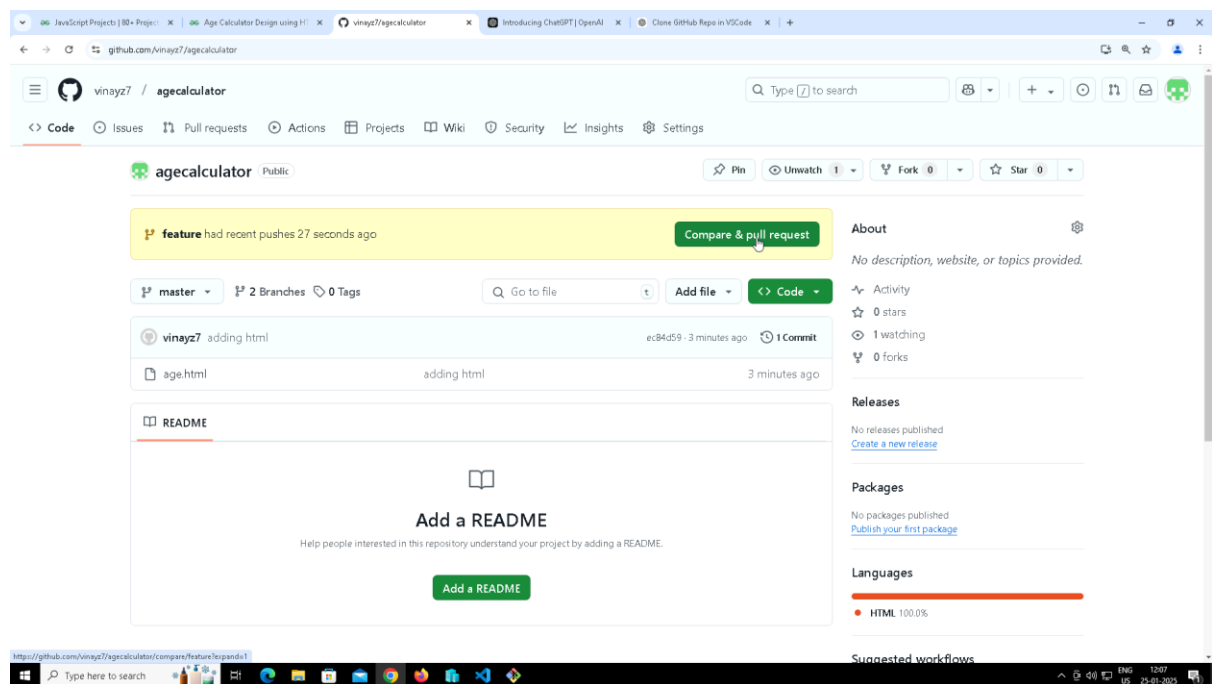
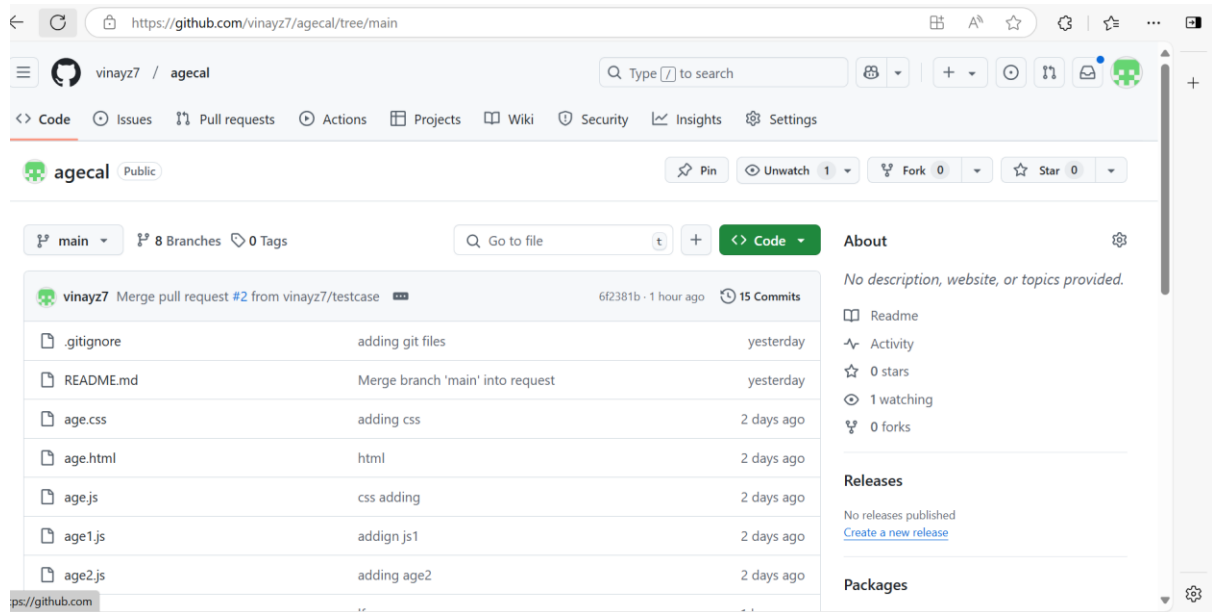
If your application involves large files (e.g., images, audio), experiment with Git LFS to store them more efficiently.
GitHub Administration (if applicable):

If working in a team, explore GitHub's team and organization features.
Experiment with different access control levels for team members.
Create a project board to track the progress of the project.
Git Hooks (Optional):

Implement a pre-commit hook to check for code style violations (e.g., using a linter).
Implement a post-receive hook to notify the team of new commits (e.g., via email or Slack).
Deliverables:

A well-structured Git repository with a clear commit history.
A working to-do list application with the required features.
A well-documented project with a README file.
A report summarizing the project, including the challenges faced and the lessons learned.
Assessment:

Code quality and readability.
Git usage and best practices (branching, merging, rebasing, tagging).
Collaboration and communication skills.
Understanding of Git concepts and commands.
Ability to solve problems and troubleshoot issues.



css adding #1
vinayz7 wants to merge 1 commit into master from feature

css adding 524d224

Require approval from specific reviewers before merging
Rulesets ensure specific people approve pull requests before they're merged. Add rule

Continuous integration has not been set up
GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch
Merging can be performed automatically.

Merge pull request You can also open this in GitHub Desktop or view command line instructions.

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Successfully merging this pull request may close these issues.
None yet

Notifications
Customize
Unsubscribe
You're receiving notifications because you're watching this repository.

1 participant

Lock conversation

Add a comment

Write Preview

Add your comment here...

Markdown is supported Paste, drop, or click to add files

css adding #1
vinayz7 merged 1 commit into master from feature now

css adding 524d224

vinayz7 merged commit 6b42cb3 into master now

Revert

Pull request successfully merged and closed
You're all set—the feature branch can be safely deleted. Delete branch

Add a comment

Write Preview

Add your comment here...

Markdown is supported Paste, drop, or click to add files

Comment

Remember, contributions to this repository should follow our GitHub Community Guidelines.

ProTip! Add .patch or .diff to the end of URLs for Git's plaintext views.

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Successfully merging this pull request may close these issues.
None yet

Notifications
Customize
Unsubscribe
You're receiving notifications because you're watching this repository.

1 participant

Lock conversation

```
Administrator@F2F1fca96135569 MINGW64 ~/agecal (initialdev)
$ git add age.html

Administrator@F2F1fca96135569 MINGW64 ~/agecal (initialdev)
$ git commit -m "html"
[initialdev flabfe4] html
1 file changed, 43 insertions(+)
create mode 100644 age.html

Administrator@F2F1fca96135569 MINGW64 ~/agecal (initialdev)
$ git push -u origin initialdev
error: src refspec initialdev does not match any
error: failed to push some refs to 'github.com:vinayz7/agecal.git'

Administrator@F2F1fca96135569 MINGW64 ~/agecal (initialdev)
$ git push -u origin initialdev
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 672 bytes | 336.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'initialdev' on GitHub by visiting:
remote:   https://github.com/vinayz7/agecal/pull/new/initialdev
remote:
To github.com:vinayz7/agecal.git
 * [new branch]    initialdev -> initialdev
branch 'initialdev' set up to track 'origin/initialdev'.

Administrator@F2F1fca96135569 MINGW64 ~/agecal (initialdev)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Administrator@F2F1fca96135569 MINGW64 ~/agecal (main)
$ git merge initialdev
Updating 9ce7fb8..flabfe4
Fast-forward
 age.html | 43 +++++++++++++++++++++++++++++++++++++
 1 file changed, 43 insertions(+)
 create mode 100644 age.html

Administrator@F2F1fca96135569 MINGW64 ~/agecal (main)
$

Administrator@F2F1fca96135569 MINGW64 ~/agecal (branch3)
$ ls
README.md age.css age.html
$ git add age.css

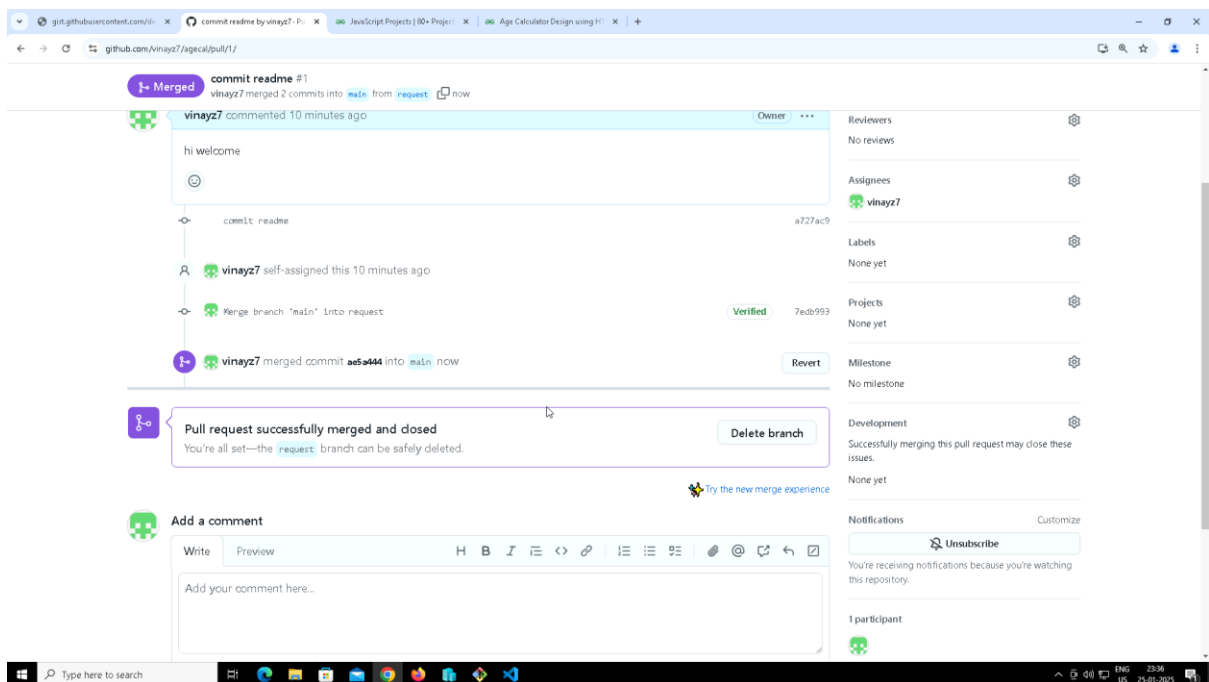
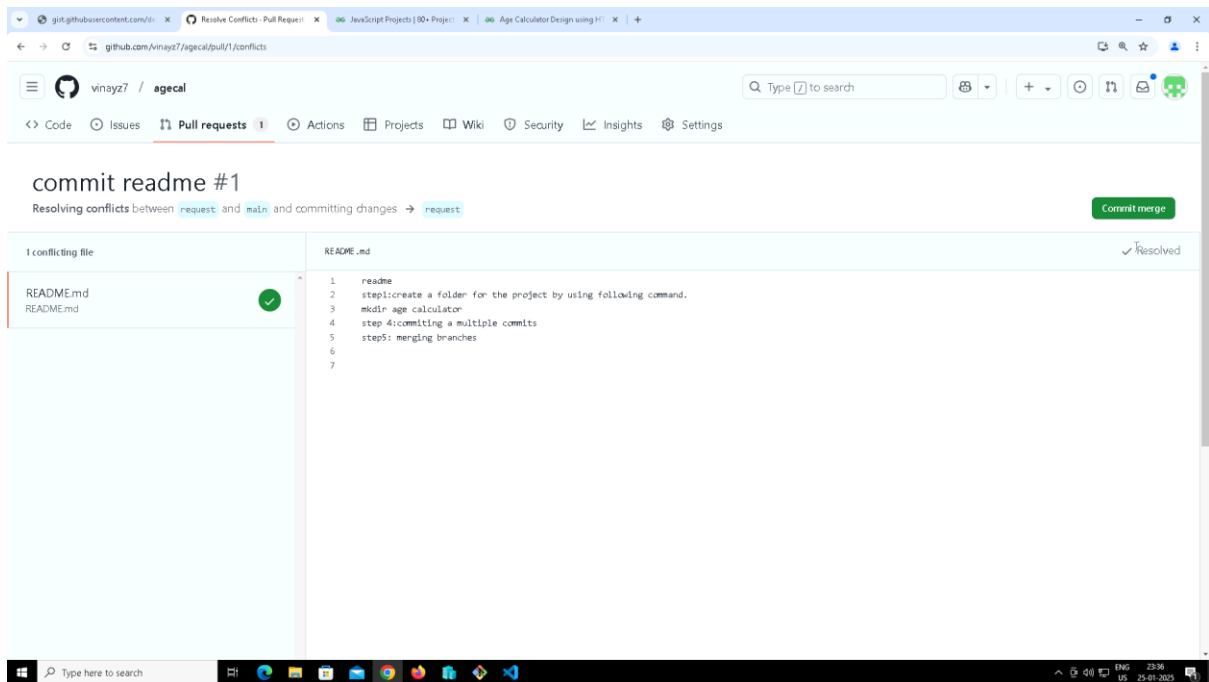
Administrator@F2F1fca96135569 MINGW64 ~/agecal (branch3)
$ git commit -m "adding css"
[branch3 6e320e4] adding css
1 file changed, 60 insertions(+)
create mode 100644 age.css

Administrator@F2F1fca96135569 MINGW64 ~/agecal (branch3)
$ git push -u origin branch3
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 689 bytes | 689.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'branch3' on GitHub by visiting:
remote:   https://github.com/vinayz7/agecal/pull/new/branch3
remote:
To github.com:vinayz7/agecal.git
 * [new branch]    branch3 -> branch3
branch 'branch3' set up to track 'origin/branch3'.

Administrator@F2F1fca96135569 MINGW64 ~/agecal (branch3)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

Administrator@F2F1fca96135569 MINGW64 ~/agecal (main)
$ git merge branch3
Updating flabfe4..6e320e4
Fast-forward
 age.css | 60 +++++++++++++++++++++++++++++++++++++
 1 file changed, 60 insertions(+)
 create mode 100644 age.css

Administrator@F2F1fca96135569 MINGW64 ~/agecal (main)
$
```



Commits on Jan 26, 2025

adding git files
vinayz7 committed 4 hours ago
9ce7fb8

Commits on Jan 25, 2025

Merge pull request #1 from vinayz7/request
vinayz7 authored now
Verified
ae5a444

Merge branch 'main' into request
vinayz7 authored now
Verified
7edb993

updated readme file
vinayz7 committed 4 minutes ago
dea6433

commit readme
vinayz7 committed 12 minutes ago
a727ac9

ort merging
vinayz7 committed 22 minutes ago
771c783

adding age2
vinayz7 committed 23 minutes ago
c519aa6

addign js1
vinayz7 committed 25 minutes ago
a885f57

css adding
vinayz7 committed 30 minutes ago
f81c5ce

adding css
vinayz7 committed 34 minutes ago
6e328e4

html

```
159 ls
160 mkdir agecal
161 cd agecal
162 git init
163 git ignore install
164 git install ignore
165 git add remote origin git@github.com:vinayz7/agecal.git
166 git remote add origin git@github.com:vinayz7/agecal.git
167 ls
168 ls
169 git checkout -b initialdev
170 git add age.html
171 git commit -m "html adding"
172 git push
173 git push -u origin initialdev
174 git checkout master
175 git checkout master
176 git checkout main
177 git branch
178 git checkout main
179 git checkout master
180 git branch
181 git branch
182 git branch main
183 git branch
184 git checkout main
185 ls
186 git add age.html
187 git commit -m "add"
188 git status
189 ls
190 git add age.css
191 git status
192 git commit -m "add"
193 git push
194 git push -u origin main
195 git pull
196 git add age.css
197 git commit -m "add"
198 git push -u origin main
199 clear
200 cdd ..
201 cd ..
202 mkdir agecal
203 cd agecal
204 git init
```

```
Administrator@F2F1fca96135569 MINGW64 ~/agecal (intialdev)
$ git add age.html

Administrator@F2F1fca96135569 MINGW64 ~/agecal (intialdev)
$ git commit -m "html"
[intialdev flabfe4] html
1 file changed, 43 insertions(+)
create mode 100644 age.html

Administrator@F2F1fca96135569 MINGW64 ~/agecal (intialdev)
$ git push -u origin intialdev
error: src refspec intialdev does not match any
error: failed to push some refs to 'github.com:vinayz7/agecal.git'

Administrator@F2F1fca96135569 MINGW64 ~/agecal (intialdev)
$ git push -u origin intialdev
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 672 bytes | 336.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'intialdev' on GitHub by visiting:
remote: https://github.com/vinayz7/agecal/pull/new/intialdev
remote:
To github.com:vinayz7/agecal.git
 * [new branch] intialdev -> intialdev
branch 'intialdev' set up to track 'origin/intialdev'.

Administrator@F2F1fca96135569 MINGW64 ~/agecal (intialdev)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Administrator@F2F1fca96135569 MINGW64 ~/agecal (main)
$ git merge intialdev
Updating 9ce37fb8..flabfe4
Fast-forward
 age.html | 43 +++++++++++++++++++++++++++++++++++++
 1 file changed, 43 insertions(+)
 create mode 100644 age.html

Administrator@F2F1fca96135569 MINGW64 ~/agecal (main)
$
```

```
219 git push -u origin intialdev
220 git checkout main
221 git merge intialdev
222 git checkout -b branch3
223 ls
224 git add age.css
225 git commit -m "adding css"
226 git push -u origin branch3
227 git checkout main
228 git merge branch3
229 git checkout -b featurecode
230 ls
231 git add age.js
232 git commit -m "css adding"
233 git push -u origin featurecode
234 git checkout main
235 git merge featurecode
236 git checkout -b featurecode1
237 ls
238 git add age1.js
239 git commit -m "addign js1"
240 git checkout main
241 git add age2.js
242 git commit -m "adding age2"
243 git merge featurecode1
244 git push
245 git branch
246 git checkout intialdev
247 git push
248 git checkout featurecode
249 git push
250 git checkout featurecode1
251 git push
252 git push -u origin featurecode1
253 git checkout branch3
254 git push
255 git checkout -b request
256 git add README.md
257 git commit -m "commit readme"
258 git push -u origin request
259 git checkout main
260 git push -u origin request
261 git add README.md
262 git commit -m "updated readme file"
263 git push
264 history
```



```
Administrator@MINGW64\Users\Administrator
193 git push
194 git push -u origin main
195 git pull
196 git add age.css
197 git commit -m "add"
198 git push -u origin main
199 clear
200 cdd ..
201 cd ..
202 cd agecal
203 git log
204 git lfs install
205 git lfs track "*.jpg"
206 git lfs track "*.jpg"
207 echo "large files" >>file.jpg
208 git add file.jpg
209 git commit -m "lfs"
210 git tag v2.0 -m "this a tag uplaoded"
211 git push
212 git pull
213 git push
214 git checkout -b testcase
215 git checkout main
216 echo "test file" >>file.txt
217 git checkout testcase
218 git rebase main
219 git checkout main
220 git add file.txt
221 echo "file2" >>file2.txt
222 git add file2.txt
223 git commit -m "file2"
224 git checkout testcase
225 git rebase main
226 git push -u origin testcase
227 git checkout -b bugfixing
228 git push -u origin bugfixing
229 ls -a
230 git checkout main
231 ls -a
232 git status
233 clear
234 cd ..
235 history

Administrator@f2f1fca96135569 MINGW64 ~
$
```