

ASSIGNMENT-1

DEVOPS

GIT WORK FLOW

BITS Pilani

Authored by: NIKHILESH M(2020MT93513)

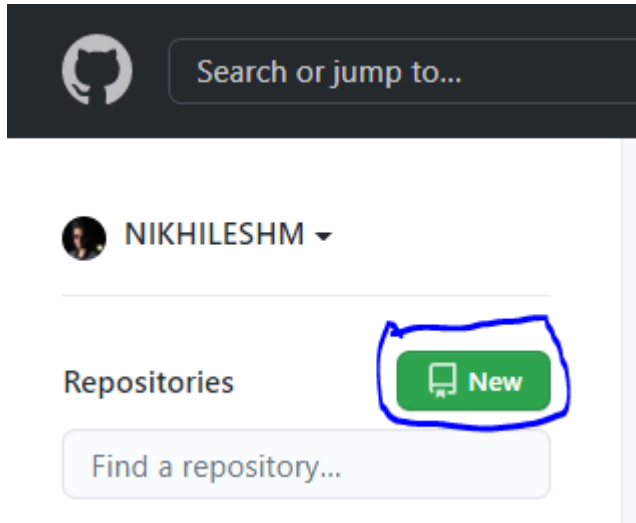


BITS Pilani
Pursuing the frontiers of knowledge

GIT Work Flow

Step 1 - Create Repository

Login to Managers GitHub Account to create Git Repo



Create Repository

A screenshot of the 'Create a new repository' page on GitHub. The page has a dark gray header with the GitHub logo, a search bar, and navigation links: 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. The main content area is white. It starts with the title 'Create a new repository' and a subtitle 'A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)'. Below this are two input fields: 'Owner' with a dropdown menu showing 'NIKHILESHM' and 'Repository name' with a text input showing 'AssignmentDevOps' and a green checkmark. A note says 'Great repository names are short and memorable. Need inspiration? How about [musical-waffle](#)?'. Then is a 'Description (optional)' text area with the text 'Assignment for devops course'. Below that are two radio buttons for visibility: 'Public' (selected) and 'Private'. The 'Public' option says 'Anyone on the internet can see this repository. You choose who can commit.' and the 'Private' option says 'You choose who can see and commit to this repository.' Next is a section 'Initialize this repository with:' with the instruction 'Skip this step if you're importing an existing repository.' There are three checkboxes: 'Add a README file' (checked), 'Add .gitignore' (checked), and 'Choose a license' (unchecked). The 'Add a README file' checkbox has a note 'This is where you can write a long description for your project. [Learn more.](#)'. The 'Add .gitignore' checkbox has a note 'Choose which files not to track from a list of templates. [Learn more.](#)' and a dropdown menu showing '.gitignore template: Maven'. The 'Choose a license' checkbox has a note 'A license tells others what they can and can't do with your code. [Learn more.](#)'. At the bottom, it says 'This will set [master](#) as the default branch. Change the default name in your [settings](#).' and a green 'Create repository' button.

Set up PR Notifications

The screenshot shows the GitHub interface for the repository 'NIKHILESHM / AssignmentDevOps'. The repository has 1 branch (master) and 0 tags. The commit history shows an initial commit by NIKHILESHM with files .gitignore and README.md. A custom notification settings modal is open, showing options to select events for notifications. The modal includes a 'Cancel' button and an 'Apply' button.

Repository: NIKHILESHM / AssignmentDevOps

Unwatch 1 Star 0 Fork 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags

Go to file Add file Code

NIKHILESHM Initial commit d371aa6 now 1 commit

File	Commit	Time
.gitignore	Initial commit	now
README.md	Initial commit	now

README.md

Custom

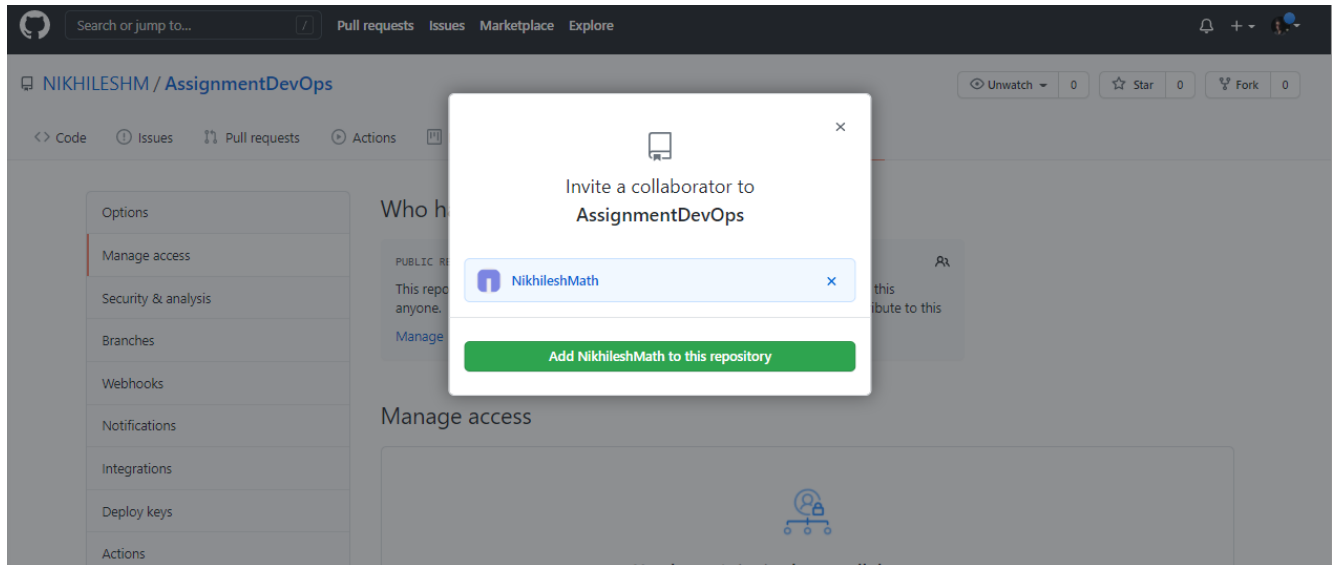
Select events you want to be notified of in addition to participating and @mentions.

- ☐ Issues
- ☒ Pull requests
- ☐ Releases
- ☐ Discussions

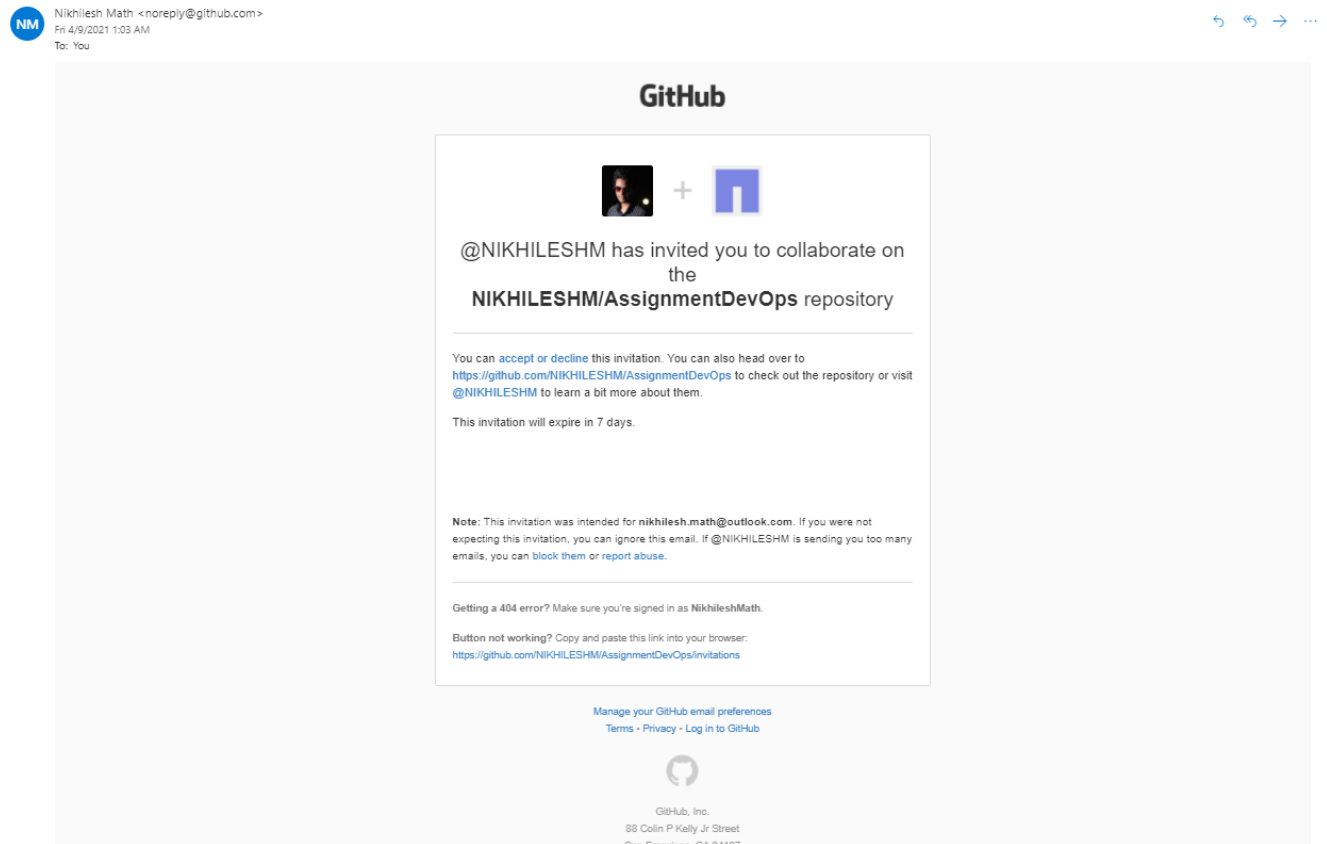
Cancel Apply

No releases published
[Create a new release](#)

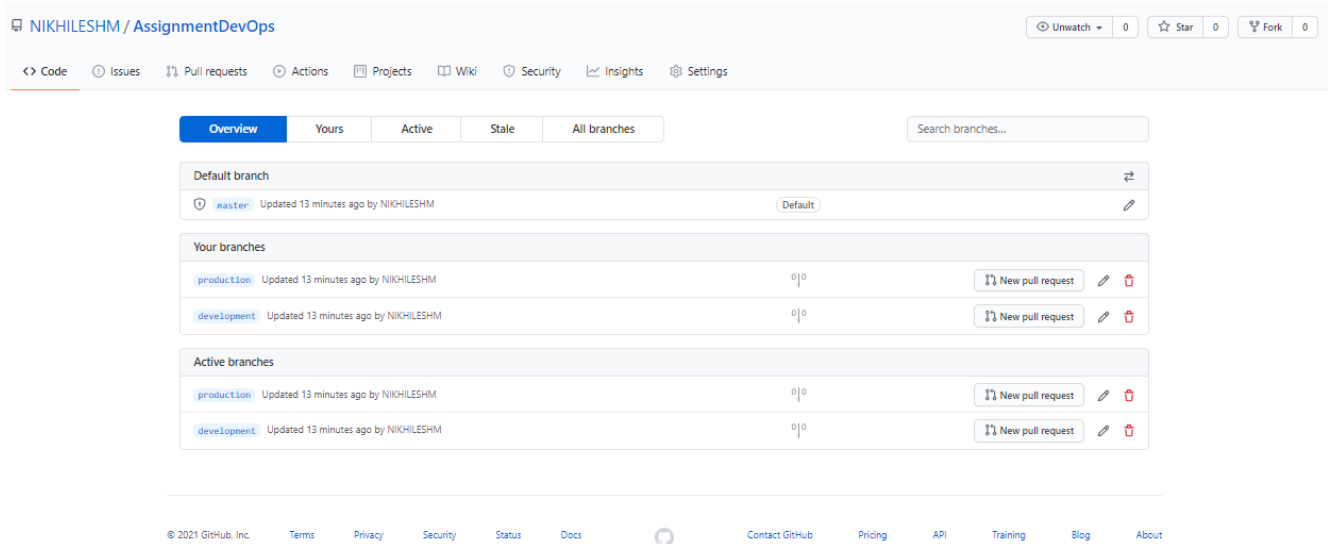
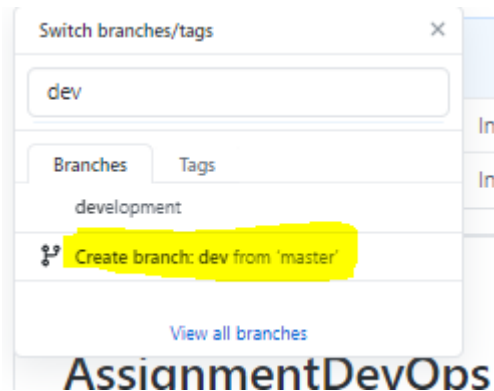
Step 2 – Invite Collaborator



NIKHILESHM invited you to NIKHILESHM/AssignmentDevOps



Step 3 – Create Branch and set Branch permissions



Setup Branch Permissions –

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

Options

Manage access

Security & analysis

Branches

Webhooks

Notifications

Integrations

Deploy keys

Actions

Environments

Secrets

Pages

Moderation settings

Branch protection rule

Branch name pattern

production

Protect matching branches

☒ **Require pull request reviews before merging**
When enabled, all commits must be made to a non-protected branch and submitted via a pull request with the required number of approving reviews and no changes requested before it can be merged into a branch that matches this rule.

Required approving reviews: 1

☐ **Dismiss stale pull request approvals when new commits are pushed**
New reviewable commits pushed to a matching branch will dismiss pull request review approvals.

☒ **Require review from Code Owners**
Require an approved review in pull requests including files with a designated code owner.

☐ **Require status checks to pass before merging**
Choose which [status checks](#) must pass before branches can be merged into a branch that matches this rule. When enabled, commits must first be pushed to another branch, then merged or pushed directly to a branch that matches this rule after status checks have passed.

☐ **Require signed commits**
Commits pushed to matching branches must have verified signatures.

☐ **Require linear history**
Prevent merge commits from being pushed to matching branches.

☐ **Include administrators**
Enforce all configured restrictions above for administrators.

Rules applied to everyone including administrators

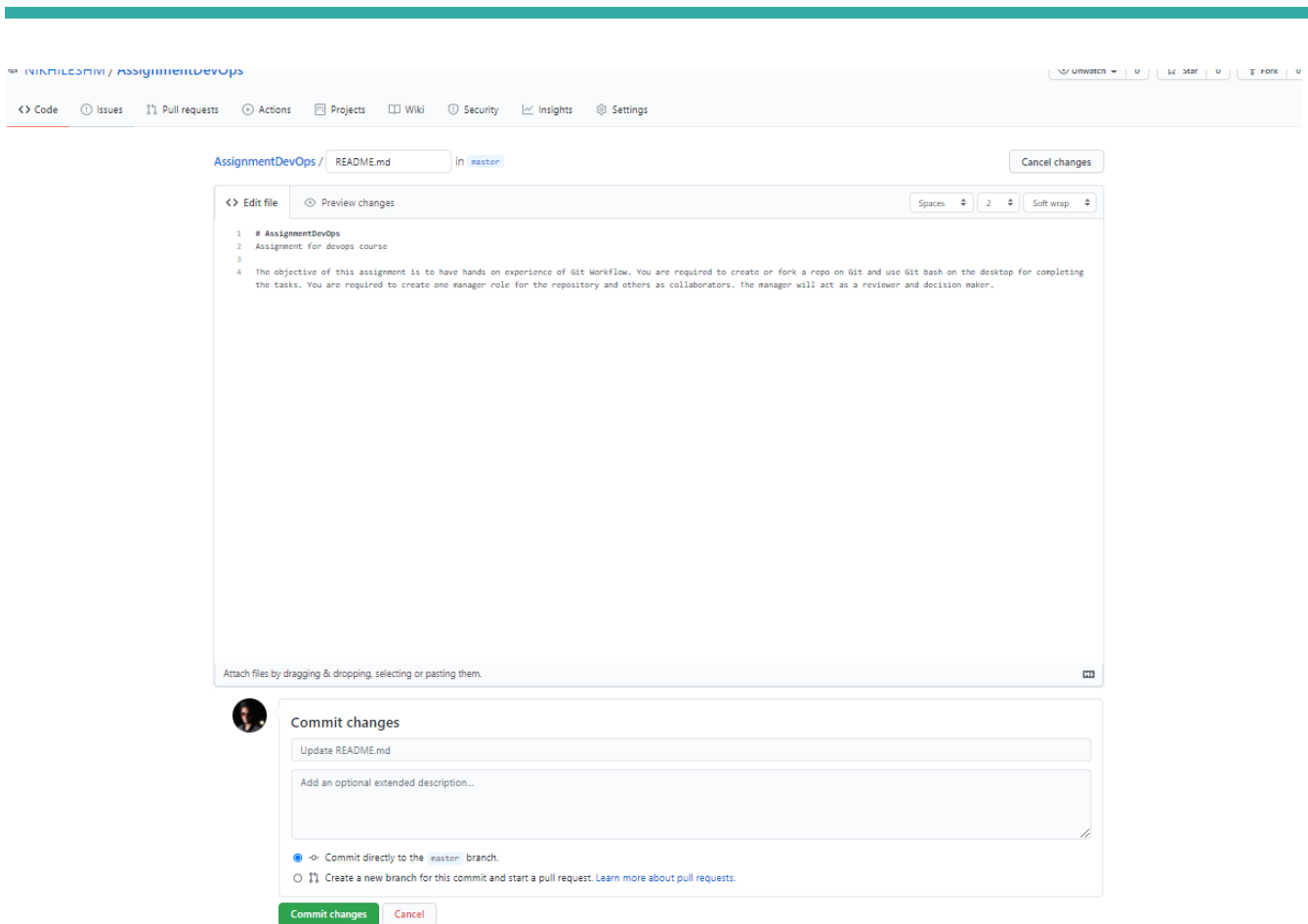
☐ **Allow force pushes**
Permit force pushes for all users with push access.

☐ **Allow deletions**
Allow users with push access to delete matching branches.

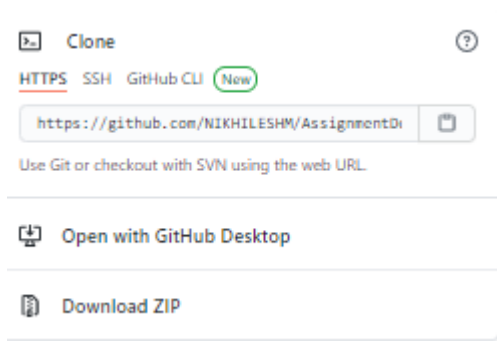
Create

7

Step 3 – Edit File Readme with Commit



Step 4 – Clone the Repo



```
MINGW64:/c/Users/Hosmath/CodeBase
Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase
$ git clone https://github.com/NIKHILESHM/AssignmentDevOps.git
Cloning into 'AssignmentDevOps'...
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 10 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (10/10), done.

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase
$ |
```

Step 5 – Setup Some Code

Create local Branch

```
Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (master)
$ git checkout -b feature
Switched to a new branch 'feature'
M       .gitignore
```

Connect it to origin

```
Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git branch --set-upstream-to=origin/feature
Branch 'feature' set up to track remote branch 'feature' from 'origin'.
```

Add and push new code

```
Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git add --all
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in .mvn/wrapper/MavenWrapperDownloader.java.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in .mvn/wrapper/maven-wrapper.properties.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in mvnw.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in mvnw.cmd.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in pom.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/main/java/com/devopsassignment/devops/DevopsApplication.java.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/main/resources/application.properties.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/test/java/com/devopsassignment/devops/DevopsApplicationTests.java.
The file will have its original line endings in your working directory

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git commit -m 'initial code setup'
[feature 6d8e758] initial code setup
10 files changed, 711 insertions(+), 10 deletions(-)
create mode 100644 .mvn/wrapper/MavenWrapperDownloader.java
create mode 100644 .mvn/wrapper/maven-wrapper.jar
create mode 100644 .mvn/wrapper/maven-wrapper.properties
create mode 100644 mvnw
create mode 100644 mvnw.cmd
create mode 100644 pom.xml
create mode 100644 src/main/java/com/devopsassignment/devops/DevopsApplication.java
create mode 100644 src/main/resources/application.properties
create mode 100644 src/test/java/com/devopsassignment/devops/DevopsApplicationTests.java

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git push
Logon failed, use ctrl+c to cancel basic credential prompt.
To https://github.com/NIKHILESHM/AssignmentDevOps.git
 ! [rejected]        feature -> feature (non-fast-forward)
error: failed to push some refs to 'https://github.com/NIKHILESHM/AssignmentDevOps.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git pull
Already up to date!
Merge made by the 'recursive' strategy.

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git push
Logon failed, use ctrl+c to cancel basic credential prompt.
Enumerating objects: 29, done.
Counting objects: 100% (29/29), done.
Delta compression using up to 8 threads
Compressing objects: 100% (18/18), done.
Writing objects: 100% (27/27), 52.62 KiB | 7.52 MiB/s, done.
Total 27 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/NIKHILESHM/AssignmentDevOps.git
 4292501..a937a29 feature -> feature
```

Code in remote branch –

feature

4 branches

0 tags

Go to file

Add file

Code

This branch is 3 commits ahead of master.

Pull request

Compare

sandeepzeskpro Merge branch 'feature' of https://github.com/NIKHILESHM/Assignm... a937a29 2 minutes ago 5 commits

.mvn/wrapper	initial code setup	3 minutes ago
src	initial code setup	3 minutes ago
.gitignore	initial code setup	3 minutes ago
README.md	Update README.md	24 minutes ago
mvnw	initial code setup	3 minutes ago
mvnw.cmd	initial code setup	3 minutes ago
pom.xml	initial code setup	3 minutes ago

README.md

AssignmentDevOps

Assignment for devops course

The objective of this assignment is to have hands on experience of Git Workflow. You are required to create or fork a repo on Git and use Git bash on the desktop for completing the tasks. You are required to create one manager role for the repository and others as collaborators. The manager will act as a reviewer and decision maker.

About

Assignment for devops course

Readme

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Step 6 – Create Pull Request

NIKHILESHM / AssignmentDevOps

Watch 0Star 0Fork 0

<> CodeIssuesPull requestsActionsProjectsWikiSecurityInsights

Label issues and pull requests for new contributors

Now, GitHub will help potential first-time contributors discover issues labeled with **good first issue**

Dismiss

Filters

is:pr is:open

Labels 0Milestones 0

New pull request

0 Open4 Closed

AuthorLabelProjectsMilestonesReviewsAssigneeSort

There aren't any open pull requests.

You could search all of GitHub or try an advanced search.

ProTip! Updated in the last three days: updated>2021-04-06

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NIKHILESHM / AssignmentDevOps

Watch 0Star 0Fork 0

<> CodeIssuesPull requests 1ActionsProjectsWikiSecurityInsights

Feature #5

EditOpen with

Open

NikhileshMath wants to merge 3 commits into **Assignment** from **feature**

Conversation 0Commits 3Checks 0Files changed 10

+711 -10

NikhileshMath commented now

Collaborator

No description provided.

NIKHILESHM and others added 3 commits 36 minutes ago

Verified429250168b6758a937a29

Merge pull request #2 from NIKHILESHM/master

Initial code setup

Merge branch "feature" of https://github.com/NIKHILESHM/AssignmentDevOps

Add more commits by pushing to the feature branch on NIKHILESHM/AssignmentDevOps.

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.

WritePreview

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Close pull requestComment

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

ProTip! Add comments to specific lines under Files changed.

Reviewers

Suggestions

NIKHILESHMRequest

Still in progress? Convert to draft

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Linked issues

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

Unsubscribe

You're receiving notifications because you authored the thread.

2 participants

Lock conversation

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Merged into development –

NIKHILESHM / AssignmentDevOps

Watch 0 Star 0 Fork 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights

development 4 branches 0 tags Go to file Add file Code

This branch is 5 commits ahead of master. Pull request Compare

NikhileshMath Merge pull request #5 from NIKHILESHM/feature 90ee0a7 11 seconds ago 7 commits

.mvn/wrapper	initial code setup	19 minutes ago
src	initial code setup	19 minutes ago
.gitignore	initial code setup	19 minutes ago
README.md	Update README.md	40 minutes ago
mvnw	initial code setup	19 minutes ago
mvnw.cmd	initial code setup	19 minutes ago
pom.xml	initial code setup	19 minutes ago

README.md

AssignmentDevOps

Assignment for devops course

The objective of this assignment is to have hands on experience of Git Workflow. You are required to create or fork a repo on Git and use Git bash on the desktop for completing the tasks. You are required to create one manager role for the repository and others as collaborators. The manager will act as a reviewer and decision maker.

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Step 7 – Resolving collaborator conflict

Added change in development branch from manager and added different change in same file in feature branch from collaborator. Will create PR and resolve conflicts

Added development branch change –

```
Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps ((969ee87...))
$ git checkout -b development
Switched to a new branch 'development'

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git branch --set-upstream-to=origin/development
Branch 'development' set up to track remote branch 'development' from 'origin'.

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git pull
Already up to date.

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git status
On branch development
Your branch is up to date with 'origin/development'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   src/main/java/com/devopsassignment/devops/DevopsApplication.java

no changes added to commit (use "git add" and/or "git commit -a")

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ dit add --all
bash: dit: command not found

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git add --all
warning: LF will be replaced by CRLF in src/main/java/com/devopsassignment/devops/DevopsApplication.java.
The file will have its original line endings in your working directory

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git commit -m 'added comment'
[development 2bf3e1c] added comment
1 file changed, 1 insertion(+)

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git push
Logon failed, use ctrl+c to cancel basic credential prompt.
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (9/9), 640 bytes | 320.00 KiB/s, done.
Total 9 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/NIKHILESHM/AssignmentDevOps.git
    969ee87..2bf3e1c  development -> development

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git pull
Already up to date.
```

development

AssignmentDevOps / src / main / java / com / devopsassignment / devops / DevopsApplication.java

Go to file

...

sandeepzeskpro added comment

Latest commit 2bf3e1c 7 minutes ago

History

0 contributors

14 lines (10 sloc) | 338 Bytes

RawBlame

1234567891011121314

package com.devopsassignment.devops;
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
@SpringBootApplication
public class DevopsApplication {
 public static void main(String[] args) {
 SpringApplication.run(DevopsApplication.class, args);
 //added comment
 }
}

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Added Feature Branch change from another collaborator

```
Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git status
On branch feature
Your branch is up to date with 'origin/feature'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   src/main/java/com/devopsassignment/devops/DevopsApplication.java

no changes added to commit (use "git add" and/or "git commit -a")

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git add -all
error: did you mean '--all' (with two dashes ?)

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git add --all
warning: LF will be replaced by CRLF in src/main/java/com/devopsassignment/devops/DevopsApplication.java.
The file will have its original line endings in your working directory

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git commit -m 'conflict merge'
[feature 077ad71] conflict merge
1 file changed, 1 insertion(+)

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (feature)
$ git push
Logon failed, use ctrl+c to cancel basic credential prompt.
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (9/9), 649 bytes | 216.00 KiB/s, done.
Total 9 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/NIKHILESHM/AssignmentDevOps.git
a937a29..077ad71 feature -> feature
```



```
14 lines (10 sloc) | 347 Bytes
1 package com.devopsassignment.devops;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class DevopsApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(DevopsApplication.class, args);
11         //added conflict comment
12     }
13
14 }
```

Create PR from Feature to dev to resolve conflicts

Collaborator created PR – Hence Review is required to merge into development – conflict merge #6

Open

NikhileshMath wants to merge 1 commit into development from feature

EditOpen with

Conversation0Commits1Checks0Files changed1+1-0

NikhileshMath commented now

Collaborator

No description provided.

conflict merge

077ad71

Add more commits by pushing to the feature branch on NIKHILESHM/AssignmentDevOps.

Review required

At least 1 approving review is required by reviewers with write access. Learn more.

This branch has conflicts that must be resolved

Use the web editor or the command line to resolve conflicts.

Resolve conflicts

Conflicting files

src/main/java/com/devopsassignment/devops/DevopsApplication.java

Merge pull request

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

WritePreview

HBI<>@

Unsubscribe

Adding review

17


conflict merge #6

Edit Open with ▾

 Open NikhileshMath wants to merge 1 commit into [development](#) from [feature](#) 


 Conversation **0**  Commits **1**  Checks **0**  Files changed **1** +1 -0 

Changes from all commits ▾ File filter... ▾ Jump to... ▾ 

0 / 1 files viewed 

[Review changes ▾](#)

```
src/main/java/com/devopsassignment/devops/DevopsApplication.java
@@ -8,6 +8,7 @@
8      8
9      9      public static void main(String[] args) {
10     10          SpringApplication.run(DevopsApplication.class, args);
11     11      +      //added conflict comment
12     12      }
13     13      }
14     14      }
```

 ProTip! Use **(n)** and **(p)** to n

Finish your review

Write Preview **H B I**        

just a comment

Attach files by dragging & dropping, selecting or pasting them. 

☐ Comment

Submit general feedback without explicit approval.

☒ Approve

Submit feedback and approve merging these changes.

☐ Request changes

Submit feedback that must be addressed before merging.

[Submit review](#)

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Resolve conflicts –



Changes approved

1 approving review by reviewers with write access. [Learn more.](#)

[Show all reviewers](#)



1 approval



This branch has conflicts that must be resolved

Use the [web editor](#) or the [command line](#) to resolve conflicts.

[Resolve conflicts](#)

Conflicting files

src/main/java/com/devopsassignment/devops/DevopsApplication.java

[Merge pull request](#) ▾


You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

conflict merge #6


Resolving conflicts between `feature` and `development` and committing changes → `feature`

1 conflicting file

src/main/java/com/devopsassignment/devops/DevopsApplication.java 1 conflict Prev Next

 DevopsApplication.java
...ignment/devops/DevopsApplication.
java


```
1 package com.devopsassignment.devops;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class DevopsApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(DevopsApplication.class, args);
11         <<<<<< feature
12         //added conflict comment
13         =====
14         //added comment
15         >>>>>> development
16     }
17
18 }
19
```



✓ **Changes approved** [Show all reviewers](#)

1 approving review by reviewers with write access. [Learn more.](#)


✓ 1 approval

 **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](#).



Pull request successfully merged and closed

You're all set—the `feature` branch can be safely deleted.

Delete branch

development

AssignmentDevOps / src / main / java / com / devopsassignment / devops / DevopsApplication.java

 NIKHILESHM Merge branch 'development' into feature

Latest commit

1 contributor

15 lines (11 sloc) | 365 Bytes

```
1 package com.devopsassignment.devops;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class DevopsApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(DevopsApplication.class, args);
11         //added conflict comment
12         //added comment
13     }
14
15 }
```

Step 8 – Creating Tags

```
Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git tag v1.0.0

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git push --tags
Logon failed, use ctrl+c to cancel basic credential prompt.
Total 0 (delta 0), reused 0 (delta 0)
To https://github.com/NIKHILESHM/AssignmentDevOps.git
 * [new tag]          v1.0.0 -> v1.0.0
```

NIKHILESHM / AssignmentDevOps

Unwatch 0 Star 0 Fork 0

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Releases Tags

Tags

v1.0.0

9 minutes ago 8e0c568 zip tar.gz

Verified

Step 9 – Do a force push and then later reset the changes

```
Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git add --all

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git status
On branch development
Your branch is up to date with 'origin/development'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   src/main/java/com/devopsassignment/devops/DevopsApplication.java

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git commit -m "force push commit"
[development 2fd9629] force push commit
1 file changed, 1 insertion(+), 1 deletion(-)

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git push
Logon failed, use ctrl+c to cancel basic credential prompt.
error: unable to read askpass response from 'C:/Program Files/Git/mingw64/libexec/git-core/git-gui--askpass'
Username for 'https://github.com': nikhilesh9@gmail.com
error: unable to read askpass response from 'C:/Program Files/Git/mingw64/libexec/git-core/git-gui--askpass'
Password for 'https://nikhilesh9@gmail.com@github.com':
To https://github.com/NIKHILESHM/AssignmentDevOps.git
 ! [rejected]        development -> development (fetch first)
error: failed to push some refs to 'https://github.com/NIKHILESHM/AssignmentDevOps.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git push -f
Logon failed, use ctrl+c to cancel basic credential prompt.
error: unable to read askpass response from 'C:/Program Files/Git/mingw64/libexec/git-core/git-gui--askpass'
Username for 'https://github.com': nikhilesh9@gmail.com
Enumerating objects: 26, done.
Counting objects: 100% (26/26), done.
Delta compression using up to 8 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (18/18), 1.23 KiB | 251.00 KiB/s, done.
Total 18 (delta 4), reused 0 (delta 0)
remote: Resolving deltas: 100% (4/4), completed with 2 local objects.
remote: error: GH006: Protected branch update failed for refs/heads/development.
remote: error: Cannot force-push to this protected branch
To https://github.com/NIKHILESHM/AssignmentDevOps.git
 ! [remote rejected] development -> development (protected branch hook declined)
error: failed to push some refs to 'https://github.com/NIKHILESHM/AssignmentDevOps.git'

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git push -f
Logon failed, use ctrl+c to cancel basic credential prompt.
Enumerating objects: 26, done.
Counting objects: 100% (26/26), done.
Delta compression using up to 8 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (18/18), 1.23 KiB | 313.00 KiB/s, done.
Total 18 (delta 4), reused 0 (delta 0)
remote: Resolving deltas: 100% (4/4), completed with 2 local objects.
To https://github.com/NIKHILESHM/AssignmentDevOps.git
+ ec54a4f...2fd9629 development -> development (forced update)

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ |
```

I Reset to my previous commit and did another force push

```
Feature
commit a937a296981957011f58c3e0d00da61e3ecaa7ce
Merge: 6d8e758 4292501
Author: sandeepzeskpro <info@zeskpro.com>
Date: Fri Apr 9 14:13:27 2021 +0530

Merge branch 'feature' of https://github.com/NIKHILESHM/AssignmentDevOps into feature

commit 6d8e758f52e7c0aacdef5c8b30fcc9bf3607a14d
Author: sandeepzeskpro <info@zeskpro.com>
Date: Fri Apr 9 14:12:33 2021 +0530

initial code setup

commit 42925011a09baa064daa5657c8df127e9449e39a
Merge: d371aa6 6f9a4c2
Author: Nikhilesh Math <nikhileshm9@gmail.com>
Date: Fri Apr 9 13:53:54 2021 +0530

Merge pull request #2 from NIKHILESHM/master

Update README.md

commit e86ca89bc475ce5a42dd9fcc3f9e1c925639efff
Merge: d371aa6 6f9a4c2
Author: Nikhilesh Math <nikhileshm9@gmail.com>
Date: Fri Apr 9 13:53:15 2021 +0530

Merge pull request #1 from NIKHILESHM/master

Update README.md

commit 6f9a4c20b8ae5bda29f65148f77afa88eb50a700 (origin/master, origin/HEAD, master)
Author: Nikhilesh Math <nikhileshm9@gmail.com>
Date: Fri Apr 9 13:52:05 2021 +0530

Update README.md

commit d371aa6077762c1f8c7114d3934109da2d81ae85
Author: Nikhilesh Math <nikhileshm9@gmail.com>
Date: Fri Apr 9 13:30:20 2021 +0530

Initial commit


Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git reset --hard c87c8de4b307588e9b8ba10a7adc297c433ebbe7
HEAD is now at c87c8de force commit push

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ git push -f
Logon failed, use ctrl+c to cancel basic credential prompt.
Total 0 (delta 0), reused 0 (delta 0)
To https://github.com/NIKHILESHM/AssignmentDevOps.git
+ 2fd9629...c87c8de development -> development (forced update)

Hosmath@MAHIMA-LAPTOP MINGW64 ~/CodeBase/AssignmentDevOps (development)
$ |
```

I reset the commit in remote

force commit push


 sandeepzeskpro committed 6 hours ago

 c87c8de <>

Merge pull request #6 from NIKHILESHM/feature

 NIKHILESHM committed 6 hours ago

Verified

 8e8c568 <>

Step 10 – Staging Development to Production

Here we do it using pull request from development to production

Development #7

Open

NIKHILESHM wants to merge 10 commits into production from development

Conversation 0

Commits 10

Checks 0

Files changed 10

NIKHILESHM commented now

Owner

No description provided.

NIKHILESHM and others added 10 commits 7 hours ago

Merge pull request #1 from NIKHILESHM/master

Verified

e86ca89

Merge pull request #2 from NIKHILESHM/master

Verified

4292501

initial code setup

6d8e758

Merge branch 'feature' of https://github.com/NIKHILESHM/AssignmentDevOps

a937a29

Merge pull request #5 from NIKHILESHM/feature

Verified

969ee87

added comment

2bf3e1c

conflict merge

077ad71

Merge branch 'development' into feature

Verified

5feb4c

Merge pull request #6 from NIKHILESHM/feature

Verified

8e0c568

force commit push

c87c8de

Step 11 – released merging production to master branch

Production #8

Open

NIKHILESHM wants to merge 12 commits into master from production

Conversation 0

Commits 12

Checks 0

Files changed 10

+714 -10

NIKHILESHM commented now

Owner

No description provided.

NIKHILESHM and others added 12 commits 7 hours ago

Merge pull request #1 from NIKHILESHM/master

Verified

e86ca89

Merge pull request #2 from NIKHILESHM/master

Verified

4292501

Merge pull request #3 from NIKHILESHM/master

Verified

b67ff3e

initial code setup

6d8e758

Merge branch 'feature' of https://github.com/NIKHILESHM/AssignmentDevOps

a937a29

Merge pull request #5 from NIKHILESHM/feature

Verified

969ee87

added comment

2bf3e1c

conflict merge

077ad71

Merge branch 'development' into feature

5feb4c

Merge pull request #6 from NIKHILESHM/feature

Verified

8e0c568

Reviewers

No reviews—at least 1 approving review is required.
Still in progress? Convert to draft

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Linked issues

Successfully merging this pull request may close these issues.

None yet

Step 12 – Bonus Point Email notification to manager

NIKHILESHM invited you to NIKHILESHM/AssignmentDevOps



Nikhilesh Math <noreply@github.com>
Fri 4/9/2021 1:03 AM
To: You

↶ ↷ → ...

GitHub



@NIKHILESHM has invited you to collaborate on
the
NIKHILESHM/AssignmentDevOps repository

You can [accept](#) or [decline](#) this invitation. You can also head over to
<https://github.com/NIKHILESHM/AssignmentDevOps> to check out the repository or visit
[@NIKHILESHM](#) to learn a bit more about them.

This invitation will expire in 7 days.

Note: This invitation was intended for nikhilesh.math@outlook.com. If you were not
expecting this invitation, you can ignore this email. If [@NIKHILESHM](#) is sending you too many
emails, you can [block them](#) or [report abuse](#).

Getting a 404 error? Make sure you're signed in as [NikhileshMath](#).

Button not working? Copy and paste this link into your browser:
<https://github.com/NIKHILESHM/AssignmentDevOps/invitations>

[Manage your GitHub email preferences](#)
[Terms](#) · [Privacy](#) · [Log in to GitHub](#)



GitHub, Inc.
88 Colin P Kelly Jr Street
San Francisco, CA 94107

Importance of readme and git Ignore

Readme provides the user with the overview of the Git Repository and the code it contains. It is really important to provide all the details required to kick start and using this repo for a starter.

.gitignore files play a really important role where unwanted or intermediate/locally generated/setup code such as `.mvn` or `nodemodules` are ignored by the git so that only Important code is pushed into the remote