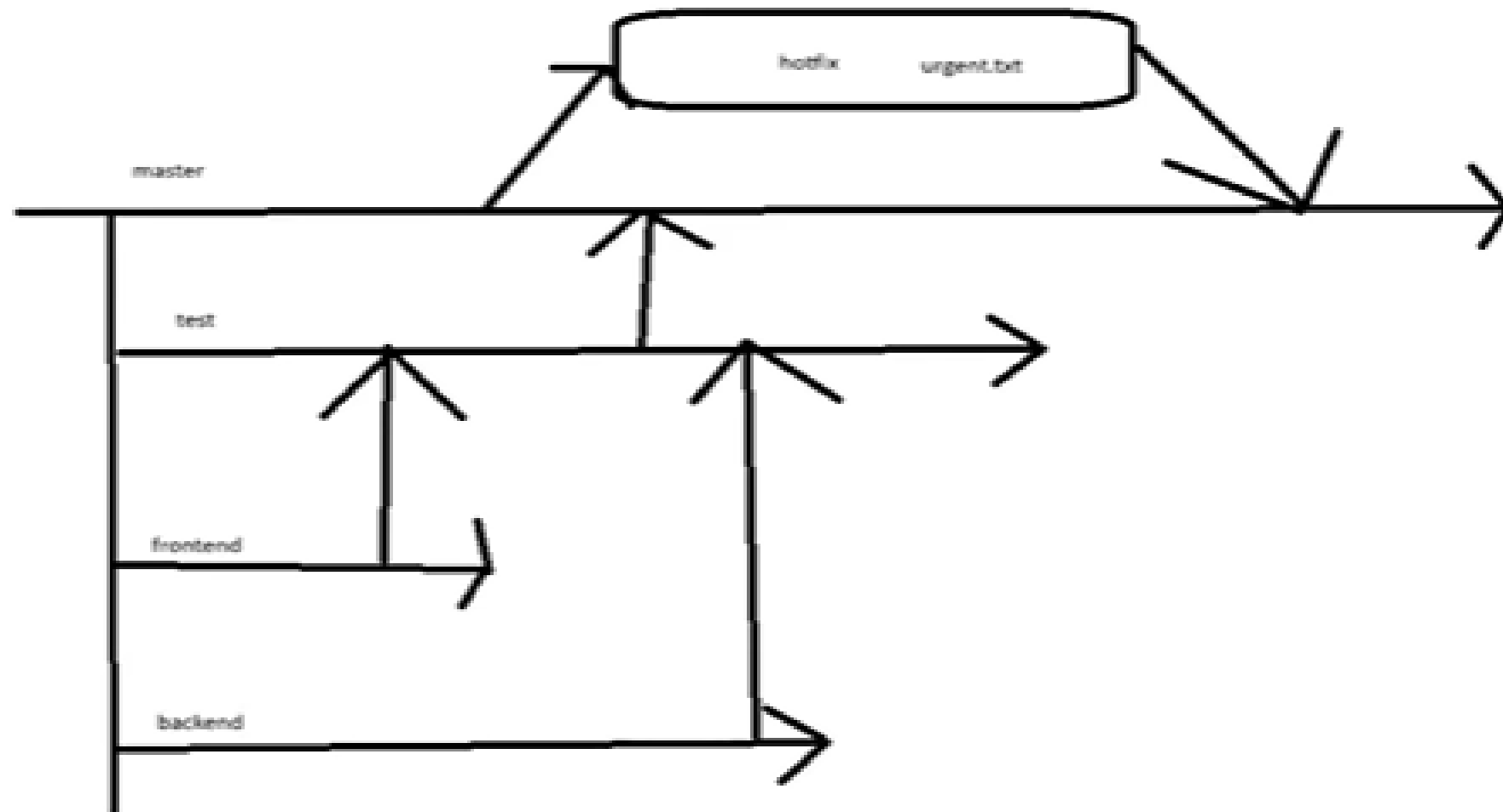# Tasks To Be Performed:

1. Create a Git Flow workflow architecture on Git
2. Create all the required branches
3. Starting from the feature branch, push the branch to the master, following the architecture
4. Push a urgent.txt on master using hotfix

GIT Work Flow

master

hotfix   urgent.txt

test

frontend

backend

```
ubuntu@ip-172-31-18-118:~/assignment5$ touch m1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git add . && git commit -m "done"
[master (root-commit) e09d3ab] done
 Committer: Ubuntu <ubuntu@ip-172-31-18-118.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 m1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ rm m1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git branch test
ubuntu@ip-172-31-18-118:~/assignment5$ git branch frontend
ubuntu@ip-172-31-18-118:~/assignment5$ git branch backend
ubuntu@ip-172-31-18-118:~/assignment5$
```

i-0fe455c43e74fdf9f (Git)

PublicIPs: 54.196.203.201   PrivateIPs: 172.31.18.118

Creating master,test,frontend and backend branch

```
ubuntu@ip-172-31-18-118:~/assignment5$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-31-18-118:~/assignment5$ ls
m1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ rm m1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git add . && git commit -m "done"
[master 6f29475] done
 Committer: Ubuntu <ubuntu@ip-172-31-18-118.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 m1.txt
ubuntu@ip-172-31-18-118:~/assignment5$
```

Removed m1.txt on master

i-0fe455c43e74fdf9f (Git)

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```
ubuntu@ip-172-31-18-118:~/assignment5$ git checkout backend
D       m1.txt
Switched to branch 'backend'
ubuntu@ip-172-31-18-118:~/assignment5$ ls
ubuntu@ip-172-31-18-118:~/assignment5$ touch b1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git add . && git commit -m "done"
[backend 4751aa3] done
 Committer: Ubuntu <ubuntu@ip-172-31-18-118.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 0 insertions(+), 0 deletions(-)
 rename m1.txt => b1.txt (100%)
ubuntu@ip-172-31-18-118:~/assignment5$
```

i-0fe455c43e74fdf9f (Git)

Creating b1.txt on backend branch

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```
1 file changed, 0 insertions(+), 0 deletions(-)
 rename m1.txt => b1.txt (100%)
ubuntu@ip-172-31-18-118:~/assignment5$ git checkout frontend
Switched to branch 'frontend'
ubuntu@ip-172-31-18-118:~/assignment5$ touch f1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git add . && git commit -m "done"
[frontend 7f328b3] done
 Committer: Ubuntu <ubuntu@ip-172-31-18-118.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f1.txt
ubuntu@ip-172-31-18-118:~/assignment5$
```

i-0fe455c43e74fdf9f (Git)

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X

Creating f1.txt on frontend branch

```
After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git checkout test
Switched to branch 'test'
ubuntu@ip-172-31-18-118:~/assignment5$ git merge frontend
Updating e09d3ab..7f328b3
Fast-forward
 f1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git merge backend
Merge made by the 'ort' strategy.
 m1.txt => b1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename m1.txt => b1.txt (100%)
ubuntu@ip-172-31-18-118:~/assignment5$ ls
b1.txt  f1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ touch t1.txt
ubuntu@ip-172-31-18-118:~/assignment5$
```

i-0fe455c43e74fdf9f (Git)

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Creating t1.txt on test branch and also merging frontent and backend branch on test

```
1 file changed, 0 insertions(+), 0 deletions(-)
 rename m1.txt => b1.txt (100%)
ubuntu@ip-172-31-18-118:~/assignment5$ ls
b1.txt  f1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ touch t1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git add . && git commit -m "done"
[test 734c2c6] done
 Committer: Ubuntu <ubuntu@ip-172-31-18-118.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 t1.txt
ubuntu@ip-172-31-18-118:~/assignment5$
```

i-0fe455c43e74fdf9f (Git)   X

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```
ubuntu@ip-172-31-18-118:~/assignment5$ git checkout master
Already on 'master'
ubuntu@ip-172-31-18-118:~/assignment5$ ls
ubuntu@ip-172-31-18-118:~/assignment5$ git merge test
Merge made by the 'ort' strategy.
 b1.txt | 0
 f1.txt | 0
 t1.txt | 0
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 b1.txt
 create mode 100644 f1.txt
 create mode 100644 t1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git merge frontend
Already up to date.
ubuntu@ip-172-31-18-118:~/assignment5$ ls
b1.txt  f1.txt  t1.txt
ubuntu@ip-172-31-18-118:~/assignment5$
```

i-0fe455c43e74fdf9f (Git)

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Merging test on master

```
ubuntu@ip-172-31-18-118:~/assignment5$ git checkout -b hotfix
Switched to a new branch 'hotfix'
ubuntu@ip-172-31-18-118:~/assignment5$ ls
b1.txt  f1.txt  t1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ touch urgent.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git add . && git commit -m "done"
[hotfix 5800542] done
 Committer: Ubuntu <ubuntu@ip-172-31-18-118.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit


After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author


 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 urgent.txt
ubuntu@ip-172-31-18-118:~/assignment5$ []
```

i-0fe455c43e74fdf9f (Git)

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Creating hotflix branch and adding urgent.txt file under it

X

```
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 urgent.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-31-18-118:~/assignment5$ ls
b1.txt  f1.txt  t1.txt
ubuntu@ip-172-31-18-118:~/assignment5$ git merge hotfix
Updating 13779d8..5800542
Fast-forward
 urgent.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 urgent.txt
ubuntu@ip-172-31-18-118:~/assignment5$ ls
b1.txt  f1.txt  t1.txt  urgent.txt
ubuntu@ip-172-31-18-118:~/assignment5$
```

i-0fe455c43e74fdf9f (Git)

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Merging hotflix branch onto master

Task Done