Version Control

For version control, our team has decided to use GitHub, on GitHub while merging the code or documents they need to maintain certain standards

There are two main branches in GitHub one is the main branch and it is always the protected one and it is a default branch and the other branch is the development branch in which for the development team will work with codes and whenever they make any changes or merge the branch they need to get a review from any other person in the team.

Before merging into the main branch it should be free from bugs

For every newsprint, we will create a new branch so that all the branches get updated once we are done with the current release of the version after that we can add this branch to the main branch.

Our team is using the feature branch workflow feature because whenever the development team wants to work on any new feature they can create a new branch instead of the main branch which means the main branch does not have any code that is broken which is beneficial whenever we are developing the newsprint for the project.

Steps:

1)create a local development branch

```
git checkout development
git pull origin development
```

2)create a feature branch

```
git checkout -b initials/fancy-branch-name
```

3)develop your work in feature branch.

```
git commit -m "Comment about the commit"
```

4)rebase oftenly with any upstream changes

```
git fetch origin development
git rebase origin/development
```

5)once you are done with changes of your work get verified by any of your team members push changes to upstream origin

```
git push -u origin initials/fancy-branch-name
```
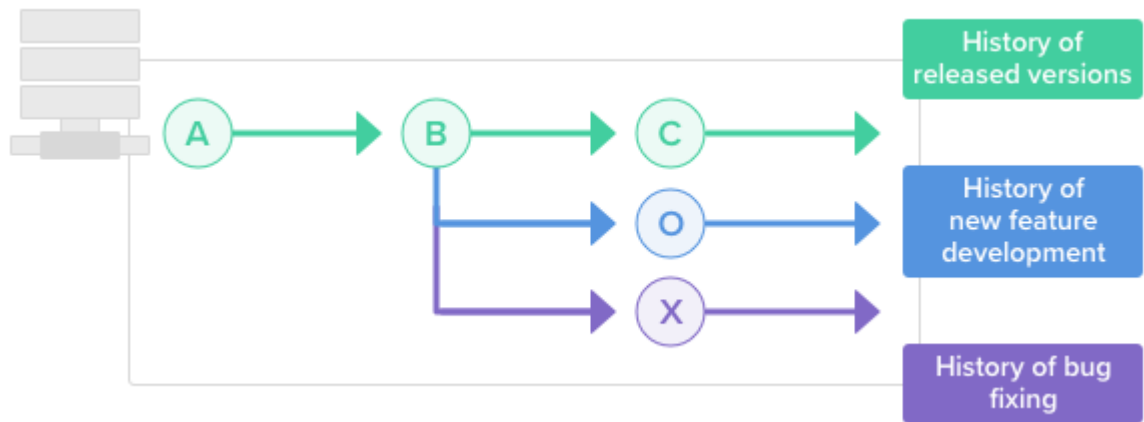
FIGURE 1:Showing workflow of using github

REFERENCES:

1) https://gist.github.com/forest/19fc774dde34f77e2540

2) https://www.atlassian.com/git/tutorials/comparing-workflows/feature-branch-workflow

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