**MOBILE APP COMPUTING**

**Name** – Nikita Jarile

**Email** Id – [nj57824n@pace.edu](mailto:nj57824n@pace.edu)

**GitHubExercise2021**

**Part 3 =>**

**What is GitHub?**

GitHub is Git repository hosting service, used for software development and version control using Git.

**When was it created?**

GitHub service was developed and started in February, 2008.GitHub company existed since 2007(source - Wikipedia)

**Why?**

GitHub was created to provide distributed version control along with its own features like bug tracking, feature requests, task management, continuous integration and wikis for every project. It also allows to access many public open-source projects.

**By who?**

GitHub was created by Chris Wanstrath, P. J. Hyett, Tom Preston-Werner and Scott Chacon.

**What similar platforms exist?**

Bitbucket, GitLab, SourceForge, etc. are the similar platforms like GitHub.

**Why would you use such a platform?**

I would use such a platform to host my code on web to be accessed by people and to work in collaboration with others to contribute on same projects.

**Part 4 =>**

* **Repository**

It is collection of files of various different versions of a project. We import these files on our local for further modifications and changes.

* **Commit**

It holds the current state of your repository. You can revert back the changes to the later version based on the commit history.

* **Push**

It is used to upload local content to the remote repository. After pushing the changes to the remote, your commits will be accessible to others (with whom you are collaborating with)

* **Branch**

Branching is done to develop code aside from main branch and then merged to the main branch. It can be used to work parallelly on the same code.

* **Fork**

It is copy of your repository. It is independent of the original repository, even if you delete original repository fork remains as it is.

* **Merge**

It is used to integrate all the changes from the other branches or forks back to the single repository. It is the way of putting all forked history back together again.

* **Clone**

It copies all the repository, all files, all branches, all commits. It copies the code locally and it is done only once.

* **Pull**

It updates your current working local branch and all the remote tracking branches. It is good to do pull on your local branch every time before pushing your changes to remote repository.

* **Pull request**

It is used to propose your changes, so that it can be reviewed and compared by someone and merged with the main repository.

**Part 6 =>**

Commands and strategy to updated READ.md file on paceuniversity/courses

1. Forked the repository from GitHub.(nikitajarile/courses)
2. Edit the READ.md file by clicking on pencil icon.
3. Commited the changes by submitting the file to forked repository.
4. Created a pull request on paceuniversity/courses,which is to be merged by Prof.Scharff.