**TOPIC: GITHUB**

GITHUB LINK:

https://github.com/RamaChandra98/Object-oriented-development/upload

**Github**

Github is mainly an internet-based interface that allows multiple developers to edit simultaneously on the same web pages. Github primarily uses Git, a version-control system, to simultaneously enable different users to work on a web page (Golzadeh, 2021).

**Working of Github**

There are a few steps that explain the working of Github. The members of the team have to find out an issue with the help of a project board. To avoid conflicts in the repository, every team members have to create a new branch. The team members have to make these branches from the most recent version of the primary unit. Then the team members are required to make changes to their units respectively. Customers can appoint other teammates to study the modifications made and privately debate the intricacies of the contributions by creating a pull request, which the team members will produce. After completing the Federalist build, the team will use a test version of that website to showcase the changes made. The team would further ask the people who are reviewing to make suggestions on the changes they have made to the web pages. The final work gets published as soon as the reviewers agree to the changes (Golzadeh, 2021).

**Using Github**

Multiple developers can collaborate on the same application at the same time by utilizing GitHub, lowering the likelihood of work being duplicated or developers disagreeing with one another. The usage of GitHub allows site designers to write code on an ongoing basis, track changes, and come up with creative solutions to problems that may develop throughout the site design process. GitHub is free to use. This program allows non-developers to create, modify, and update web content without the need for coding knowledge.

**Advantages**

Github allows users to enter data without learning a new system like other web reporting systems.

Using GitHub also allows using markdown in various ways. This feature modifies markdown to make it more helpful in programming environments.

Another bonus is teamwork on GitHub. In this context, "online Git" refers to a straightforward solution that does not require any configuration for newbies or remote users.

Using GitHub's professional tools eliminates the need to link to the company's VPN (Glazunova, 2021).

**Disadvantage**

GitHub does not support private repositories.

Entrusting superior cognitive knowledge to GitHub and anyone with many accounts on multiple websites increases the risk of security breaches.

Several companies use their private Git to store code.

Some services and digital repositories require a SaaS subscription.

Those with their own IT personnel and private facilities are often better placed to use their own Git (Glazunova. 2021).

**REFERANCES**

Golzadeh, M., Decan, A., Legay, D., &Mens, T. (2021). A ground-truth dataset and classification model for detecting bots in GitHub issue and PR comments. *Journal of Systems and Software*, *175*, 110911.

Glazunova, O. G., Parhomenko, O. V., Korolchuk, V. I., &Voloshyna, T. V. (2021, March). The effectiveness of GitHub cloud services for implementing a programming training project: students’ point of view. In *Journal of Physics: Conference Series* (Vol. 1840, No. 1, p. 012030). IOP Publishing.