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3/9/23

WEEK 1 RESEARCH

Github is a open source repository for sharing code that is in development. Even after it has been released, Github is still useful for development teams as it allows them to work together to edit, develop and troubleshoot their code as future patches and updates are released. Github has features available called branches that allow users to create copies of their original code source for edits and patches from multiple contributors. The multitude of ways that this work can be carried out is called, Git workflow.

Git workflow has some different branches that will apply to different editing applications. The different branches are Integration, Release, Clone and Timestamp. Each branch style is useful for working with a team to workout bugs and speed up the release time as multiple contributors can be working on the same code simultaneously. It can also show how patches will affect the main branch code without compromising the source code. Everyone's contributions to branches will be marked with a timestamp and digital signature which can make it easier to backtrack when debugging.

As for the code that can be shared in Git, one type is Java. Java is made up of eight data types. They are integer, short, long, Boolean, char, byte, double and float. Each data type allows certain data ranges and types. For example, integer would include numbers from -128 to 127. To get into precise numbers, you would need to use a float data type that would include decimal points. Char only consists of letters while string consists of statements or sentences. Boolean is a true/false indicator that can have many applications especially when building loop structures.

References

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