

An Assignment on

Extracting various artifacts of open source software systems



Course Name: Software Development Project

Course No: CSE 3106

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1. Github Account: <https://github.com/210229/sdp.git>

Galaxy

Artifact Name	What is it	Why it is used	How is it created
Codebase	Implemented software code	Core Executable of the software	Programmers and tools write or create it.
commit	commit is a snapshot of changes made to a repository, with a unique identifier	commits are used to record changes to a repository's codebase, allowing developers to track and manage the project's history, collaborate on code,	Programmers and tools create it.
pull request	pull request is a proposal for merging changes from one branch to another, facilitating collaboration, code review, and integration of new code into a repository.	pull requests are used to propose, review, and discuss changes before merging	Programmers and tools create it.
Fork	Fork is the process of creating a personal copy of a repository,	modify and propose changes without affecting the original project	Programmers create it.
Branch	Branch is a separate line of development	New features, bug fixes, or improvements without affecting the main or default branch of the repository.	Programmers and tools create it.
Tag	Tag is a way to mark a specific point in the commit history of a repository,	used to capture a version release	Programmers and tools create it.
ReadMe	ReadMe file is an essential guide that gives a detailed description of project	Explain what is uploaded and how we can install or use it.	Programmers write it.

Issue	Issue is a platform feature	track, discuss, and manage tasks, bugs, and enhancements within a repository	Tools create it.
Pulse	Pulse view an overview of a repository's activity .	showing the commit activity like open and merged pull requests, open and closed issues,	Tools create it.
Code frequency	code frequency is a graph	displays the content additions and deletions for each week in a repository's history	Tools create it.
wiki	wiki is a collaborative space for creating and editing documentation associated with a repository.	wikis are used to provide a collaborative platform for creating, editing, and organizing documentation related to a project, facilitating knowledge sharing, and serving as a centralized reference for contributors and users.	Programmers create it.
Actions	Actions in a software development context often refer to automated workflows or tasks triggered by specific events in a repository, streamlining processes such as testing, building, or deploying code on platforms like GitHub.	Actions are used to automate and streamline various development processes, such as testing, building, and deploying code, leading to increased efficiency, consistency, and overall improvement in the software development lifecycle	Programmers create it

