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/inceptionsh/sdproject.git

2.

Open source project repository**:** https://github.com/Azure/azure-sdk-for-java Open source project name**: Azure sdk for java**

Artifact	What is it	Why it is used	How is it created
Azur java sdk	open-source Azure SDK for Java	to develop applications in Java	1. Sign in to the Azure Portal. 2. Click New > Web + Mobile > Web App. 3. Enter a name for the web app in the Web app box 4. Select a Resource Group or create a new one. ... 5. Select an App Service plan/Location or create a new one. .
issue	Items that can create in a repository to plan, discuss and track work	To track work,give or receive feedback,collaborate on task and efficiencntly communication with others	Right sidebar click create issue from discussion. In "title " field type discripssion for issue.
Pull request	Pull requests let you tell others about changes you've pushed to a branch in a repository on GitHub	merging a developer's branch with the project's master or main branch.	1. Click Preview Pull Request. ... 2. Confirm that the branch in the base: dropdown menu is the branch where you want to merge changes. 3. Click Create Pull Request. ... 4. Type a title and description for pull request. 5. To create a pull request that is ready for review, click Create Pull Request.
disscussion	a collaborative communication forum for the community around an open source or internal project.	for conversations that need to be transparent and accessible but do not need to be tracked on a project and are not related to code	On GitHub.com, navigate to the main page of the repository. Under your repository name, click Settings. Scroll down to the "Features" section and click Set up discussions. Under "Start a new discussion," edit the template to align with the resources and tone
action	a continuous	to help reduce the	1. Use jobs in a workflow.

	integration and continuous delivery (CI/CD) platform that allows you to automate your build, test, and deployment pipeline.	amount of repetitive code that write in workflow files	2. Choose the runner for a job. 3. Use conditions to control job execution. 4. Matrices. 5. Concurrency. 6. Environments. 7. Run jobs in a container. 8. Set default values for jobs.
projects	an adaptable spreadsheet, task-board, and road map that integrates with your issues and pull requests on GitHub to help you plan and track your work effectively.	an adaptable collection of items that stay up-to-date with GitHub data. projects can track issues, pull requests, and ideas that note down.	On your profile, click Projects. Click New project. Select which type of project or template you want to use. To create a blank project, under "Start from scratch", click Table, Roadmap, or Board.
wiki	Every repository on GitHub.com comes equipped with a section for hosting documentation, called a wiki	to share long-form content about your project, such as how to use it, how you designed it, or its core principles	Adding wiki pages On GitHub.com, navigate to the main page of the repository. Under your repository name, click Wiki. In the upper-right corner of the page, click New Page

Open source project repository: https://github.com/lencx/ChatGPT Open source project name: **chatgpt**

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AGPL-3.0 license	a strong copyleft license that enforces open source on all components derived from any previous work	provides the same restrictions and freedoms as the GPLv3 but with an additional clause which makes it so that source code must be distributed along with web publication.	It is created customizing a template by the contributors
Security	The "Security" tab on a GitHub repository provides tools and information related to the security of the project	allows repository maintainers and contributors to address and mitigate security issues in the codebase.	Generated using tools by the developers
insights	deeper understandings, learnings, or revelations ascertained by leveraging the power of artificial intelligence (AI) and AI-driven tools and techniques.	eeding your data into the tool and fine-tuning the algorithms to generate accurate insights.	By instructing the model with the appropriate details, it can generate code that you can use to plot the desired visualizations.
Contributors	Lists all the contributors to the repository, highlighting the individuals who have made	Contributors write codes and contribute to the project	People volunteer to contribute to open source projects