



**An Assignment on** “Extract various Artifacts (such as source code, commit messages and so on) of the following open source software systems: Azure Java SDK, ChatGpt.

**Course Name: Software Development Lab**

**Course No.: CSE 3106**

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**Azure Java SDK:** The Azure SDK for Java allows Java developers to build applications that leverage various Azure services, such as storage, compute, networking, databases, and more.

Artifact Name	What is it	Why it is used	How is it created
doc	Documentation for the current repository	To store advanced documentation for developers of SDK.	Often created manually in markup languages or tools to generate documentation from inline comments in the source code.
eng	A group of engineering tools or utilities that the build configuration uses.	Used to carry out routine or repeated tasks.	Scripting languages are used by programmers to write it.
samples	A compilation of instructions, sample code, and application examples.	To aid in the learning and modification of developers.	From sample data sets, example setups, or short bits of code.
Azure management client library	A higher-level, object oriented API	A method of managing Azure resources that puts an emphasis on uniformity, conciseness, and simplicity.	Through an already-existing system for user and developer input.

Core executables	Executables with a user-centered design.	Combining source code and graphical user interface (GUI).	Compiled from the source code.
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**ChatGPT:** ChatGPT is a language model developed by OpenAI, based on the GPT (Generative Pre-trained Transformer) architecture.

Artifact Name	What is it	Why it is used	How is it created
assets	Usually refers to binary files or other non-code files, such as documents, images, configuration files, or other binary files.	Different uses, such as using pictures for UI components or logos, documents for documentation, and configuration files for setup.	Tools for graphic design are used for images, text editors are used for documents, and configuration files are created menu-driven.
script	Code files created with scripting languages such as JavaScript, Python, or Shell.	To carry out operations, automate tasks, or carry out tasks.	Integrated development environments (IDEs) are used by developers to create, modify, and save these files.

src	Usually refers to a project's source code files and stands for "source."	Comprises the primary code that carries out the project's features and serves to specify the logic and functioning of the software.	Text editors or IDEs are used by developers to construct source code files.
public	Any files intended for usage by the whole public. Open-source licensing, documentation, and other things might be involved.	Information exchange, usage rules, and licensing specifics that promote developer cooperation.	Typically, documents are either manually made or written in markdown formats.