GTA UE21CS343AB3
Assignment 2 Guidelines

- **This assignment aims to provide teams of 4 to gain practical experience with Neo4j. It will be graded for 15 marks.**

- **Each team will be provided with a set of 10 questions on the date of the assignment - 2nd November.**

- **The questions will be related to either the Twitter or StackOverflow datasets.**

- **A team will be allotted a set pertaining to either one of the datasets.**

- **Only 1 submission should be made per team.**

- **Answers to these questions will be CQL queries using neo4j commands and various graph algorithms.**

- **Each submission requires a team to prepare 1 document:**
  You will have to modify the template allotted to you.
  You will be provided space to
  1. **Fill in your answer query as text.**
  2. **Paste a screenshot of the query output.**

Prerequisite - Install Neo4j desktop and import the database assigned to you.

Install Neo4j **desktop** by following this [documentation](#) (you can alternatively work on Neo4j browser as well by creating a **sandbox** or by creating a **free instance**(AuraDB**)** that is provided by clicking on *Get Started,* and signing up on https://neo4j.com/developer/example-data/)

The Graph Data Science library(required for implementing graph algorithms) is not included by default in Neo4j AuraDB. Therefore, it is suggested to use desktop or sandbox versions(see plugin installation steps [here](#)).

Twitter Dataset

To import a new sample twitter project, launch neo4j desktop, click on **New**, followed by **Import sample project.**
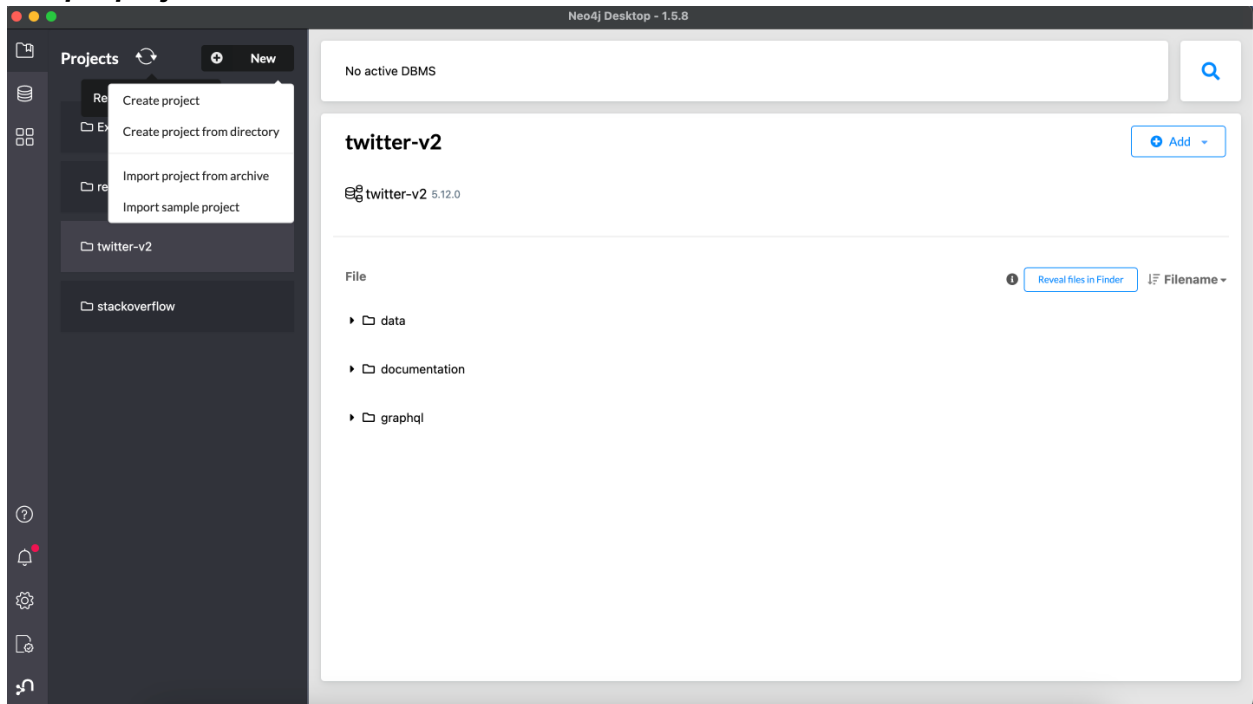
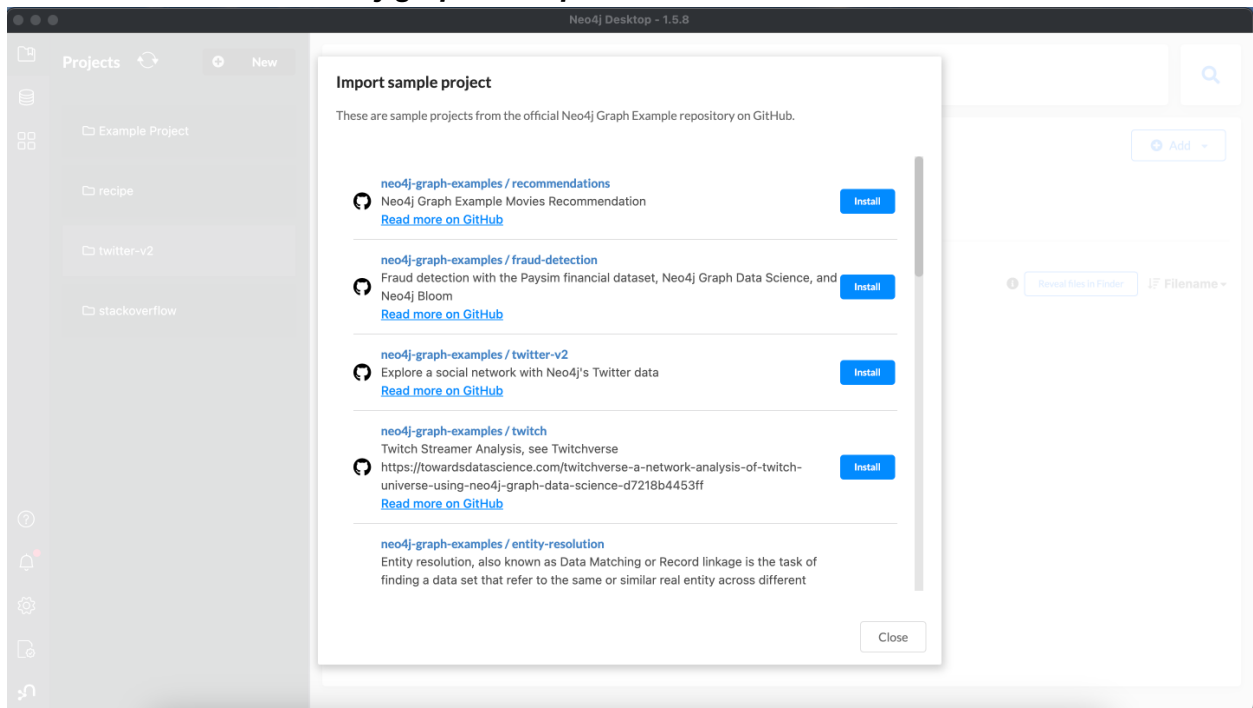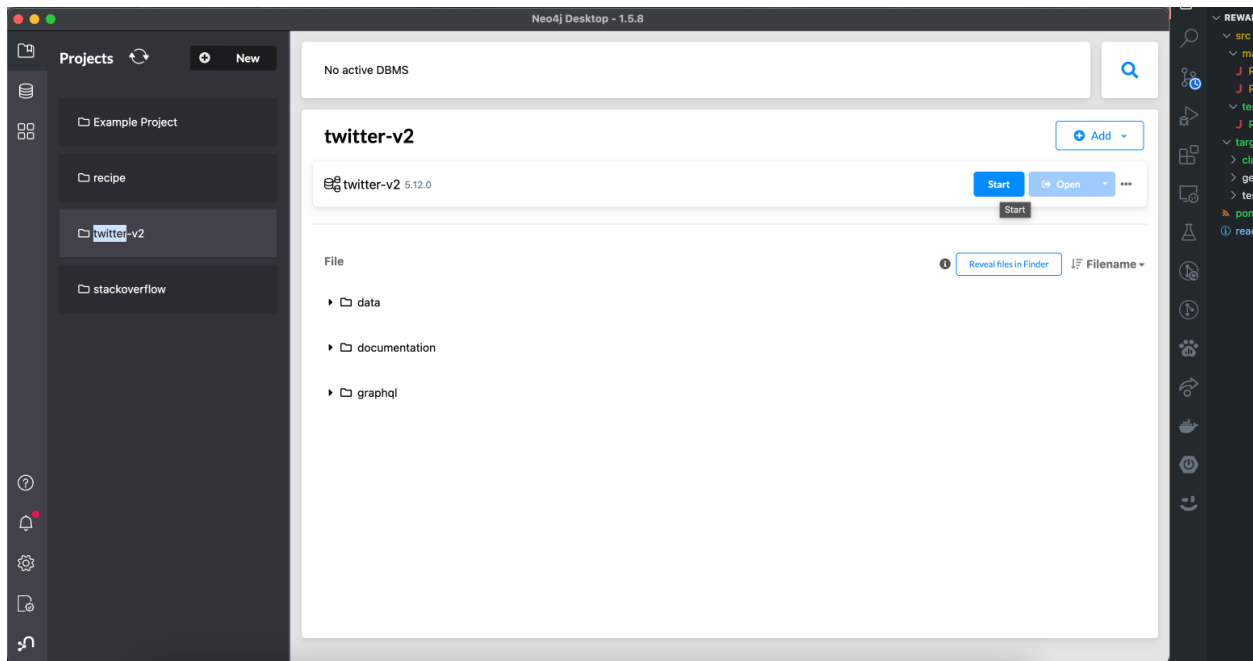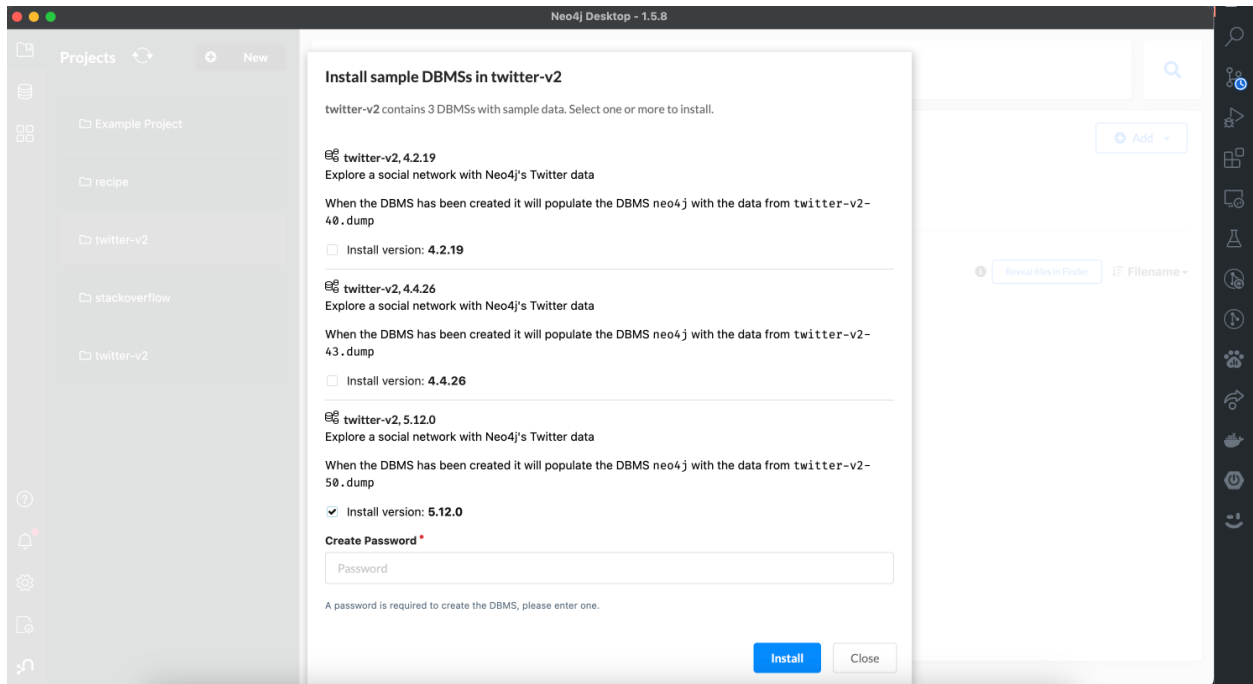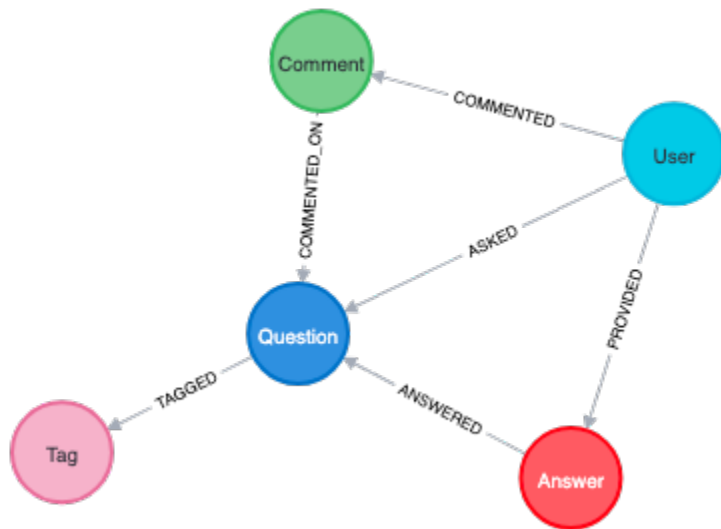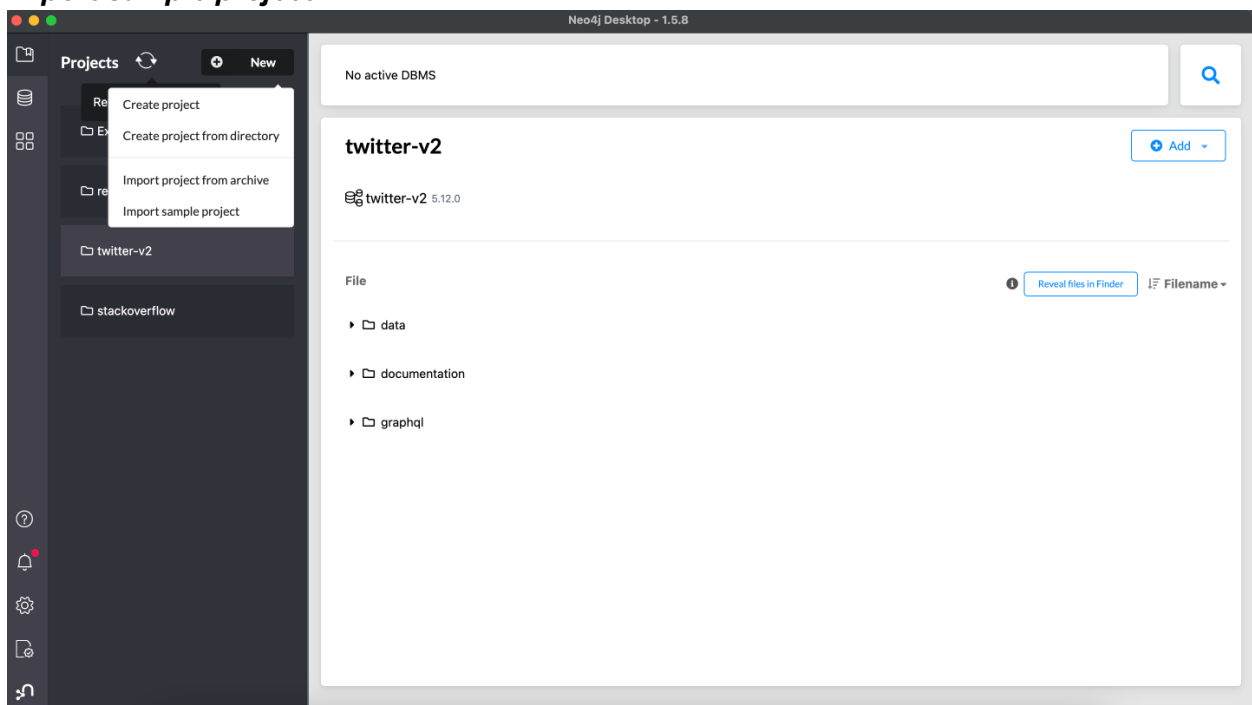Click on **Install** next to **neo4j-graph-examples/twitter-v2.**

Install the latest version - 5.12.0

Install sample DBMSs in twitter-v2

twitter-v2 contains 3 DBMSs with sample data. Select one or more to install.

twitter-v2, 4.2.19
Explore a social network with Neo4j's Twitter data

When the DBMS has been created it will populate the DBMS `neo4j` with the data from `twitter-v2-40.dump`

☐ Install version: **4.2.19**

twitter-v2, 4.4.26
Explore a social network with Neo4j's Twitter data

When the DBMS has been created it will populate the DBMS `neo4j` with the data from `twitter-v2-43.dump`

☐ Install version: **4.4.26**

twitter-v2, 5.12.0
Explore a social network with Neo4j's Twitter data

When the DBMS has been created it will populate the DBMS `neo4j` with the data from `twitter-v2-50.dump`

☑ Install version: **5.12.0**

Create Password *

[Password]

A password is required to create the DBMS, please enter one.
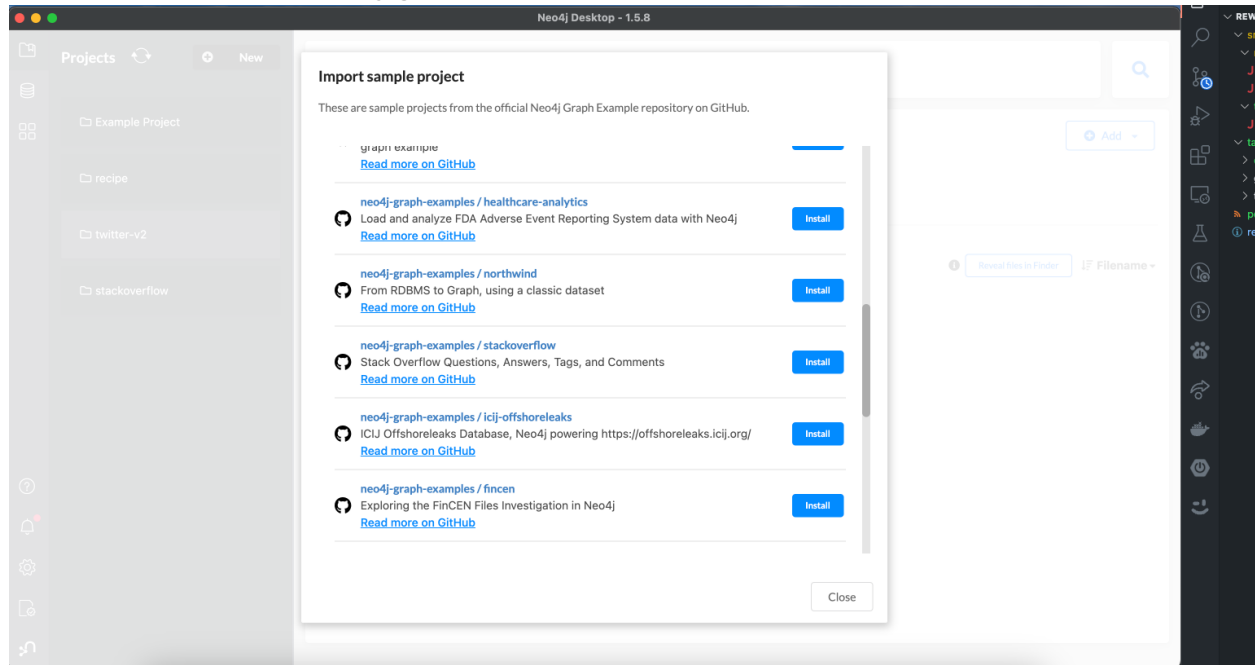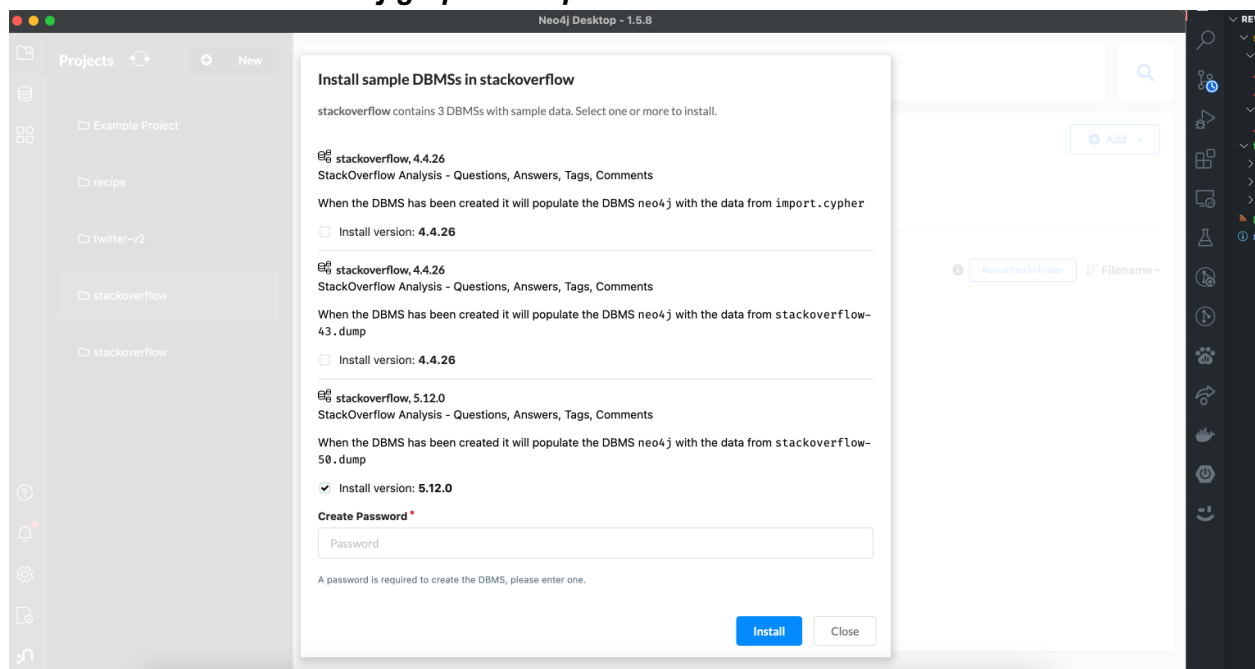
[Install] [Close]

Stack Overflow Dataset

To import a new sample stackoverflow project, launch neo4j desktop, click on **New**, followed by **_Import sample project._**

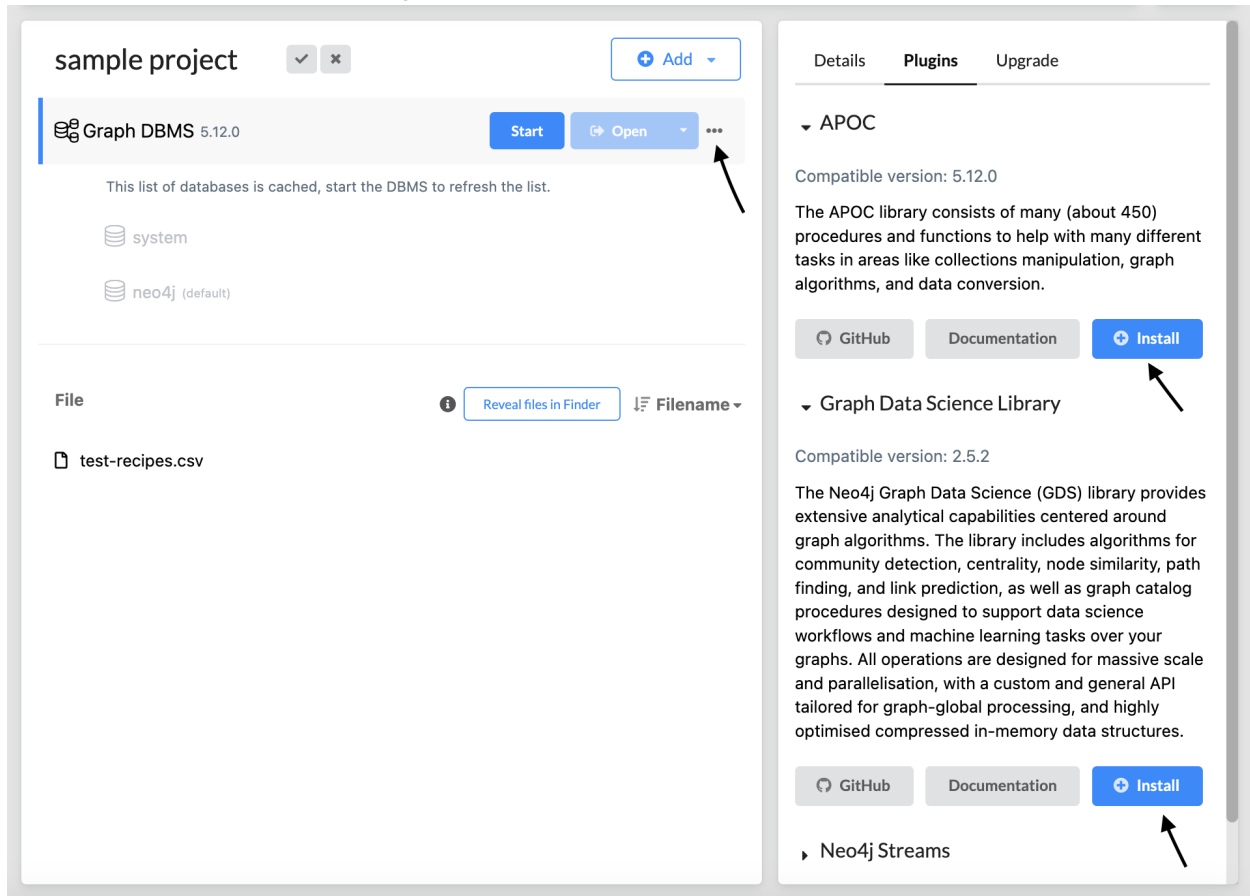Click on *Install* next to *neo4j-graph-examples/stackoverflow.*

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Plugins

To make use of procedure calls in commands, install APOC and GDS library plugins by opening the three dot menu and clicking *Install.*

Set Allotment

Find your set documents here.

For any queries, reach out to

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