**COMP 3133 – Full Stack Development II**

**Lab 05 – GraphQL**

Node.js + GraphQL exercise that uses Apollo Client to manage a list of movies with fields like *id, name, director\_name, production\_house, release\_date, and rating.*

The basic setup for project with the server queries, mutations, and some sample records is provided on GitHub.

* Log in to your GitHub account.
* Create a new repository using the following template:  
  <https://github.com/pritamworld/w6_3133_nodejs_express_apollo_graphql>
* Clone the newly created repository to your local machine:
  + *git clone https://github.com/<YourGitHubUserName>/w6\_3133\_nodejs\_express\_apollo\_graphql.git*
* Navigate to the project directory and install dependencies:
  + *cd w6\_3133\_nodejs\_express\_apollo\_graphql*
  + *npm install*
* If you encounter errors related to GraphQL, install version 15:
  + *npm install graphql*
* Begin updating the code for the following operations and commit your changes frequently.

**Operations:**

1. Create GraphQL schema,
2. Create Queries to get all movies and movie By ID
3. Create Mutation to insert movie, update movie and delete movie By ID

Submit GitHub repo link after updating code and screenshot for postman or GraphiQL interface

**Submission**

* + **Screenshot(s)** from Postman or GraphiQL interface with appropriate output. You may add all the screenshots in word document and upload it**. *[Do not put screenshots in project/zip file]****.*
  + **Delete the node\_modules** folder as it has many files which are big in size and is not required for the submission.Create **a zip file** of your entire project folder and submit.
  + Your **GitHub** project link.