**CS649  
Assignment 3**

In this assignment, you will build on your previous assignment by taking advantage of GraphQL. Your job will be to establish a GraphQL schema and then build out both create and retrieve APIs for your inventory management application.

**General Points to Consider**

When building out the API using GraphQL, keep these general points in mind:

* Your project should include a schema.graphql file.
  + Your schema.graphql file should include an enum for inventory categories (Shirts, Jeans, Jackets, Sweaters, and Accessories).
  + Create a type for Product that outlines the following data / scalar types:
    - id: Int!
    - Category: [your\_enum\_here]!
    - Name: String!
    - Price: Float
    - Image: String
  + Create an input for Product
  + Create a query and a mutation
* Modify your server.js file to include:
  + A reference to Apollo Server. Don’t forget to pass in type definitions (schema.graphql) and resolvers.
  + An API to retrieve products.
  + An API to add a product.
  + A resolvers object that sets Query and Mutation properties.
* Modify your app.jsx file to use your new GraphQL API. This should include, amongst other things:
  + A list function with a GraphQL query to retrieve data.
  + A create (add) function with a GraphQL query to create (add) data.

*Note: Although you learned about dates, validation, handling errors, and displaying errors, you won’t need to use any of that in this assignment.*