**Description:**

This project involves modeling a gymnasium management system through a UML class diagram and implementing it in Python. The system allows customers to access a weight room, swimming pool, and climbing wall. Access to the weight room and swimming pool is included in the basic subscription, while the climbing wall incurs an additional 10% charge if the customer has a three-month subscription. Annual subscribers, on the other hand, do not pay extra for the climbing wall.

The design requires defining appropriate classes with relevant attributes and methods. Key functionalities include:

* Returning the subscription type (e.g., three-monthly or annual) from the customer’s data.
* Adding or removing customers from the system archive.
* Returning a list of customers in alphabetical order.

The solution is to be implemented in Python, reflecting both the UML diagram structure and the required business logic.