

**Quiz 2, Fall 2024**  
**CSE470: Software Engineering (Sec-16)**  
**SET- A**

**Name:**

**ID:**

**Total Marks:** \_\_\_\_\_ / 20

**Time: 30 minutes**

**Short questions** (CO1)

1. Design a Class Diagram based on the scenario below with practical multiplicity.

**Internet**

The Internet is the key to accessing anything that is virtually available. We need the Internet in our day-to-day lives. Without the existence of the Internet, we cannot access anything online. E-commerce is widely used among different online websites. There are various types of E-Commerce websites available. The Internet allows us to use online sites. All our internet providers have name, serviceID, and paymentID.

**E-Commerce**

E-commerce websites facilitate the purchase of products online. They reduce our effort to access quality products anywhere in the world. E-commerce websites consist of productDetails and a purchaseProcedure.

**Amazon**

Amazon is mainly known for its significant e-commerce operations. It allows shipping between multiple countries. It has a name, businessID. Since Amazon is available in different parts of the world, Amazon's customers are available worldwide.

**Evaly**

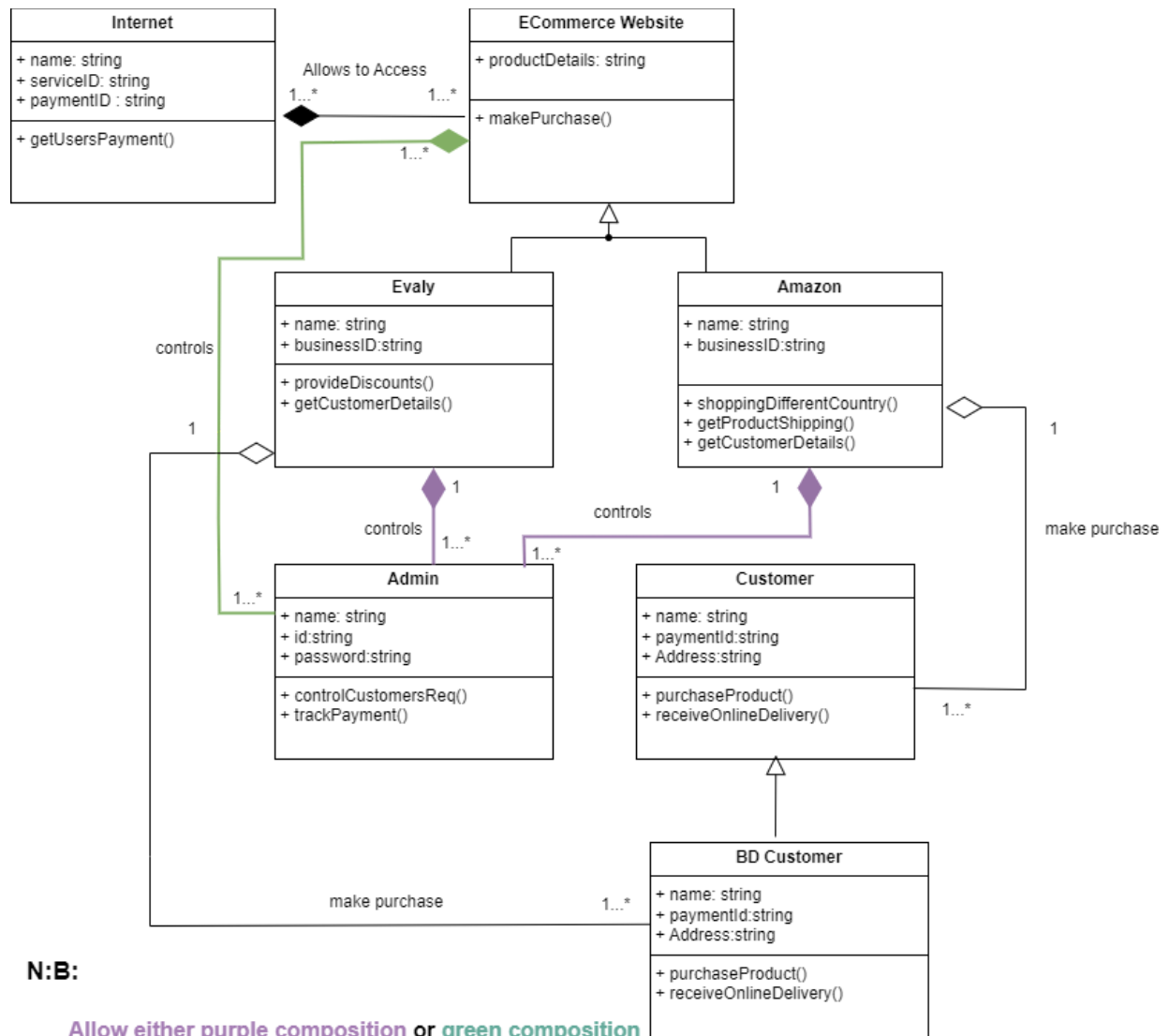
Evaly is one of the most popular online shopping outlets in Bangladesh. It is believed to be the best e-commerce site in the world. It provides attractive discounts on purchases. It has a name, businessID. Customers of Bangladesh can only access this website to purchase products.

**Admin**

An Admin is the critical person to control any website that is available online. Like other websites, E-Commerce websites also need an Admin. The admin has a name, ID, and password. It controls customer requests and monitors payment status.

**Customer**

The customer is the key to e-commerce websites. Customers purchase products and receive online delivery. Customers have names, payment IDs, and addresses. Customers can be from different parts of the world, like Bangladeshi Customers.



**N:B:**

Allow either purple composition or green composition