### **TEST CASES**

### **✅ 01. Create Customer - Valid**

* **Method:** POST /customers
* **Expected Status:** 201
* **Assertions:**
  + Response status is 201
  + Response includes "phule@example.com"
  + Tier is "Silver"
  + Store customerId globally

### **❌ 02. Create Customer - Name Exists**

* **Method:** POST /customers
* **Expected Status:** 409
* **Assertions:**
  + Error is "Name already exists"

### **❌ 03. Create Customer - Email Exists**

* **Method:** POST /customers
* **Expected Status:** 409
* **Assertions:**
  + Error is "Email already exists"

### **❌ 03a. Create Customer - Missing Email**

* **Method:** POST /customers
* **Expected Status:** 400
* **Assertions:**
  + Error contains "email: must not be blank"

### **❌ 03b. Create Customer - Missing Name**

* **Method:** POST /customers
* **Expected Status:** 400
* **Assertions:**
  + Error contains "name: must not be blank"

### **❌ 03c. Create Customer - Invalid Email**

* **Method:** POST /customers
* **Expected Status:** 400
* **Assertions:**
  + Error contains "email: must be a well-formed email address"

### **✅ 04. Get Customer by ID - Valid**

* **Method:** GET /customers/{{customerId}}
* **Expected Status:** 200
* **Assertions:**
  + Email and name match expected values

### **✅ 04a. Get Customer by Name**

* **Method:** GET /customers?name=Phu Le
* **Expected Status:** 200
* **Assertions:**
  + Email and name match expected values

### **✅ 04b. Get Customer by Email**

* **Method:** GET /customers?email=phule@example.com
* **Expected Status:** 200
* **Assertions:**
  + Email and name match expected values

### **❌ 05. Get Customer by ID - Not Found**

* **Method:** GET /customers/{nonexistent-id}
* **Expected Status:** 404
* **Assertions:**
  + Error is "Customer not found"

### **🔄 06. Update Customer by ID**

* **Method:** PUT /customers/{{customerId}}
* **Expected Status:** 200
* **Assertions:**
  + Response includes updated email
  + Tier is "Gold"

### **🗑️ 07. Delete Customer by ID**

* **Method:** DELETE /customers/{{customerId}}
* **Expected Status:** 204

### **🎖️ 08. Tier Calculation - Silver**

* **Method:** POST /customers
* **Expected Status:** 201
* **Assertions:**
  + Tier is "Silver"
  + Store silverCustomerId

### **✅ 09. Get Silver Customer by ID**

* **Method:** GET /customers/{{silverCustomerId}}
* **Expected Status:** 200
* **Assertions:**
  + Email matches "tiersilver@example.com"

### **🗑️ 10. Delete Silver Customer by ID**

* **Method:** DELETE /customers/{{silverCustomerId}}
* **Expected Status:** 204

### **🎖️ 11. Tier Calculation - Gold**

* **Method:** POST /customers
* **Expected Status:** 201
* **Assertions:**
  + Tier is "Gold"
  + Store goldCustomerId

### **✅ 12. Get Gold Customer by ID**

* **Method:** GET /customers/{{goldCustomerId}}
* **Expected Status:** 200
* **Assertions:**
  + Email matches "tiergold@example.com"

### **🗑️ 13. Delete Gold Customer by ID**

* **Method:** DELETE /customers/{{goldCustomerId}}
* **Expected Status:** 204

### **🎖️ 14. Tier Calculation - Platinum**

* **Method:** POST /customers
* **Expected Status:** 201
* **Assertions:**
  + Tier is "Platinum"
  + Store platinumCustomerId

### **✅ 15. Get Platinum Customer by ID**

* **Method:** GET /customers/{{platinumCustomerId}}
* **Expected Status:** 200
* **Assertions:**
  + Email matches "tierplatinum@example.com"

### **🗑️ 16. Delete Platinum Customer by ID**

* **Method:** DELETE /customers/{{platinumCustomerId}}
* **Expected Status:** 204

### **⚠️ 17. Cannot Create Tier - Platinum (Too Old Date)**

* **Method:** POST /customers
* **Expected Status:** 201
* **Assertions:**
  + Tier falls back to "Gold"
  + Store platinum6CustomerId

### **✅ 17a. Get Gold Customer by ID**

* **Method:** GET /customers/{{platinum6CustomerId}}
* **Expected Status:** 200
* **Assertions:**
  + Email is "tierplatinum@example.com"
  + Tier is "Gold"

### **🗑️ 17b. Delete Gold Customer by ID**

* **Method:** DELETE /customers/{{platinum6CustomerId}}
* **Expected Status:** 204

### **⚠️ 18. Cannot Create Tier - Gold (Too Old Date)**

* **Method:** POST /customers
* **Expected Status:** 201
* **Assertions:**
  + Tier falls back to "Silver"
  + Store gold12CustomerId

### **✅ 18a. Get Silver Customer by ID**

* **Method:** GET /customers/{{gold12CustomerId}}
* **Expected Status:** 200
* **Assertions:**
  + Email is "tierplatinum@example.com"
  + Tier is "Silver"

### **🗑️ 18b. Delete Silver Customer by ID**

* **Method:** DELETE /customers/{{gold12CustomerId}}
* **Expected Status:** 204