Milestone #1

**Business Rules:**

1. Employee Rule:
   1. Each employee should have a unique identifier (employee ID).
   2. Employee information should include name, contact details, role, and any relevant qualifications or certifications.
   3. Employees can be associated with specific departments or teams.
   4. An employee can belong to one department.
   5. An employee can be assigned to multiple customer bookings/order
2. Department Rule:
   1. Each department should have a unique identifier (department ID).
   2. Department information should include the department name, description, and any relevant contact information.
   3. Employees can be assigned to specific departments.
   4. department can have multiple employees
3. Customers Rule:
   1. Each customer should have a unique identifier (customer ID).
   2. Customer information should include name, contact details, and any relevant preferences or requirements.
   3. A customer can participate in multiple trips
   4. Customers can place orders for equipment or book trips.
   5. A customer can place multiple orders
4. Airfare Rule:
   1. Track airfare information for each trip.
   2. Include details such as flight numbers, departure/arrival dates, and associated costs.
   3. Associate airfare with specific trips and locations.
   4. An airfare can have multiple trip locations
5. Location Rule:
   1. Each location should have a unique identifier (location ID).
   2. Location information should include the name, description, and geographical details of the destination.
   3. Associate trips with specific locations for analysis and reporting purposes.
6. Visa Rule:
   1. Track visa requirements for each trip location.
   2. Include details such as visa types, application processes, and associated costs.
   3. Associate visa requirements with specific trips and locations.
7. Inoculations Rule:
   1. Track required inoculations or vaccinations for each trip location.
   2. Include details such as vaccine names, recommended dosage, and any associated medical information.
   3. Associate inoculations with specific trips and locations.
   4. An inoculation can have multiple trip locations
8. Customer Order Rule:
   1. Record customer orders for equipment.
   2. Include details such as the customer, ordered items, quantities, and order status.
   3. A customer order can have one employee.
   4. Each order belongs to one customer
   5. A customer order can have multiple equipment
9. Trip Rules:
   1. trip can have multiple visa requirements
   2. A trip can have multiple airfare options
   3. A Trip location can have multiple inoculations
   4. A trip location can have multiple airfares
10. Equipment Rules:
    1. Equipment should have a unique identifier (Equipment ID)
    2. An equipment can have multiple customer orders

**ERD:**

