Group 1:

Khaoula Azdoud

Tanner Agnew

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Module 9.1 Assignment: **Milestone #1**

Case Study: **Outland Adventures**

**Create a list of business rules for your case study, including any assumptions you make:**

1. Outland Adventures offers guided trips for hiking and camping in various locations.
2. Outland Adventures has four employees: two guides, one marketing personnel, and one supply manager.
3. Customers have the option to rent or buy equipment from Outland Adventures.
4. Customers will be able to check on trip schedules and purchase hiking and camping equipment through the Outland Adventures e-commerce site.
5. Outland Adventures has conducted treks in Africa, Asia, and Southern Europe.
6. The owners don’t know if enough customers buy equipment to keep equipment sales.
7. When equipment is purchased outright, this should be considered a sale.
8. Booking trends in Africa, Asia, and Southern Europe (all locations) should be monitored, tracked, and analyzed.
9. Need to Identify the age of some inventory items and those that are over five years old.

**Assumptions:**

1. Customers provide their personal information when booking a trip.
2. Only one guide will be organizing the trip.
3. Each guide can organize and plan multiple trips.
4. The e-commerce site will store customer information, trip schedules, and equipment details.
5. The inventory age is determined based on the purchase date of each item.
6. Regular audits are being done to identify items that should be removed from shelves due to aging.
7. Each customer needs to rent or buy his equipment for the trip.
8. Each trip can have multiple customers.
9. Each customer can book one or multiple trips.
10. Each location can have multiple trips.
11. Only the supply manager is responsible for ordering supplies for the trips and keeping the equipment inventory up to date.

**Initial ERD:**

A diagram of a company

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