Jacob Cannamela, Scott Hackett, Cindy Hernandez, Colton Kohler

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Module 9 Milestone 1 - Entities and Attributes

Trips

* Organized and led by one or more guides.
* Associated with a specific location (Africa, Asia, or Southern Europe).
* Includes preparation requirements: airfare, visas, and vaccinations.
* Includes trip schedules and destination details (provided on the e-commerce site).
* Tracks booking trends for each destination (monitored to optimize offerings and marketing).
* Requires trip-specific inventory to ensure all necessary supplies are available before departure.

Guides

* Assigned to specific trips.
* Responsible for trip planning, including preparation requirements and coordinating inventory.

Customers

* Can book one or more trips.
* Must provide personal details and payment information for each booking.
* Payments can be made online or in-person.

Equipment

* Can be rented or purchased by customers.
* Attributes: category type, description, pictures, purchase date, condition, availability.
* Items over five years old must be inspected and updated.
* Maintains inventory details (updated monthly).
* Trip-specific inventory requirements coordinated for departures (varies by trip location).

Marketing

* Tracks the financial efficiency of trips to each location.
* Monitors booking trends to identify which destinations are gaining or losing interest.
* Evaluates potential new locations based on market trends.
* Utilizes the e-commerce site for advertising trips and equipment.

Administration

* Ensures inventory updates occur monthly and trip-specific inventory is prepared.
* Staff responsible for managing:
  + Inventory and equipment orders.
  + Financial records, with clear separation of sales vs. rentals to evaluate the profitability of equipment sales.
  + Scheduling and availability of guides.

Ecommerce Site

* Provides detailed trip information, including preparation requirements (airfare, visas, inoculations).
* Displays trip schedules and destination details.
* Allows customers to book trips and purchase or rent equipment.
* Tracks sales and rentals for financial evaluation.

**Assumptions:**

* That Equipment is categorized by type, size, quality, etc.
* (Monthly) Maintenance of Inventory Information.
* Specific responsibillties of the Administration, ecommerce,marketing, and guides.
* Guides are assigned to specific trips and handle planning.
* Each booking required the customer to enter their personal/payment information.