# **Group Name**: ***Group 1***

## Group Members:

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## **Selected Case Study:** "Outland Adventures"

## Business Rules :

## [List of Business Rules and Assumptions]

## Business Rules:

1. Membership Status:
   * System must have a membership status indicating whether they are regular members or have a special status that may offer discounts or exclusive benefits.
2. Equipment Status:
   * System must calculate the age of equipment based on the current date and the purchase date.
3. Customer:
   * Customers can book multiple trips throughout the year and rent or buy multiple pieces of equipment.
4. Guides:
   * A guide can organize, plan, and partake in multiple trips throughout the year.
5. Destination:
   * Destinations are distinguished by their location and duration. The destination system can also serve to compare the destination popularity by comparing the number of applicants in each.

## Assumption:

1. Customer Preferences:
   * The assumption is that customers prefer a combination of buying and renting equipment rather than exclusively choosing one option.
2. Employee Training:
   * It is assumed that guides and employees have received proper training and certifications related to their responsibilities, ensuring a high level of competence.

**Initial ERD:**

## Entities and Attributes:

* Customer:
  + customerID (Primary Key)
  + fname
  + lname
  + email
  + phone
  + membershipStatus
* Equipment:
  + equipmentID (Primary Key)
  + equipmentName
  + equipmentType
  + acquisitionDate
* Destination:
  + destinationID (PK)
  + continent
  + region
  + startDate
  + endDate
* Guide:
  + employeeID
* Employee: