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CSC6302

Module 1

**Schema Definition:**

- Transportation(TranspName varchar(20))
  - There should be no repeating transportation names, making it suitable for identification
- Activities(ActivityName varchar (50))
  - Even with added activities, it's unlikely that they will have the same name, making it suitable
- Costumes(CostumeName varchar(20))
  - Costume names should be unique, making it suitable
- Locations(LocationName varchar (20), Transport varchar(20), DistanceMiles int, BestCostume varchar (20))
  - Transport, BestCostume, and even DistanceMiles could be the same in multiple locations, so they will not work as primary key
  - LocationName is specific enough that it should not be repeated, making it suitable
- FamilyMembers(ID int, Name varchar (20), PreferredDestination varchar(20))
  - PreferredDestination and Name could be the same between different family members, making them unsuitable
  - ID added to create a unique identifier for each family member, it is auto incremented so it will not be repeated
- LocationActivities(LocationName varchar(20), ActivityName varchar (20))
  - As multiple activities may be done in multiple locations, both LocationName and ActivityName may be repeated and are not sufficiently unique on their own
  - This composite primary key ensures uniqueness within the table