## Theme Park Mini world

- A theme park has attractions. Attractions have names that uniquely identify them. Attractions contain descriptions of what to expect on that attraction. I need to keep track of the location of my attraction, and the year it was built, and restriction(s). An attraction has none, one, or many restrictions. A single restriction is associated with at most 1 attraction. A restriction is only applicable in a certain date range. For restrictions they are uniquely identified by a number. Name, Type, and Description must be recorded.
- For each attraction, we keep track of the attraction history which will include the date in which the history occured, and a description of what happened (assumption: only one thing happens on a given date for an attraction\*, assumption if it's built it has a history).
- Employees manage attractions. An employee is uniquely identified by their Ssn. Name, date of birth must be recorded. Certain attractions require an employee over the age of 18 to be managing it, each attraction has a single manager, the date the employee started managing the attraction should be recorded.

Relationship Type

Step 3 Binary Relationship 1:1 **ATTRACTION** Ssn Description YearBuilt Latitude Longitude <u>Name</u> **EMPLOYEE** Date\_of\_birth <u>Ssn</u> Name **ATTRACTIONHISTORY RIDER** <u>HistoryDate</u> Description <u>Name</u> Tickets <u>Email</u> Name DateOfBirth Weight Height Date\_boarded <u>AttractionName</u> <u>Email</u> RESTRICTION EndDate <u>Id</u> Type AttractionName StartDate Name Description Step 4 Binary 1:N

