

# **CS 425 – Database Organization**

## **Fall 2023**

Homework 1.4

Group Members:

Shriya Prasanna (A20521733)

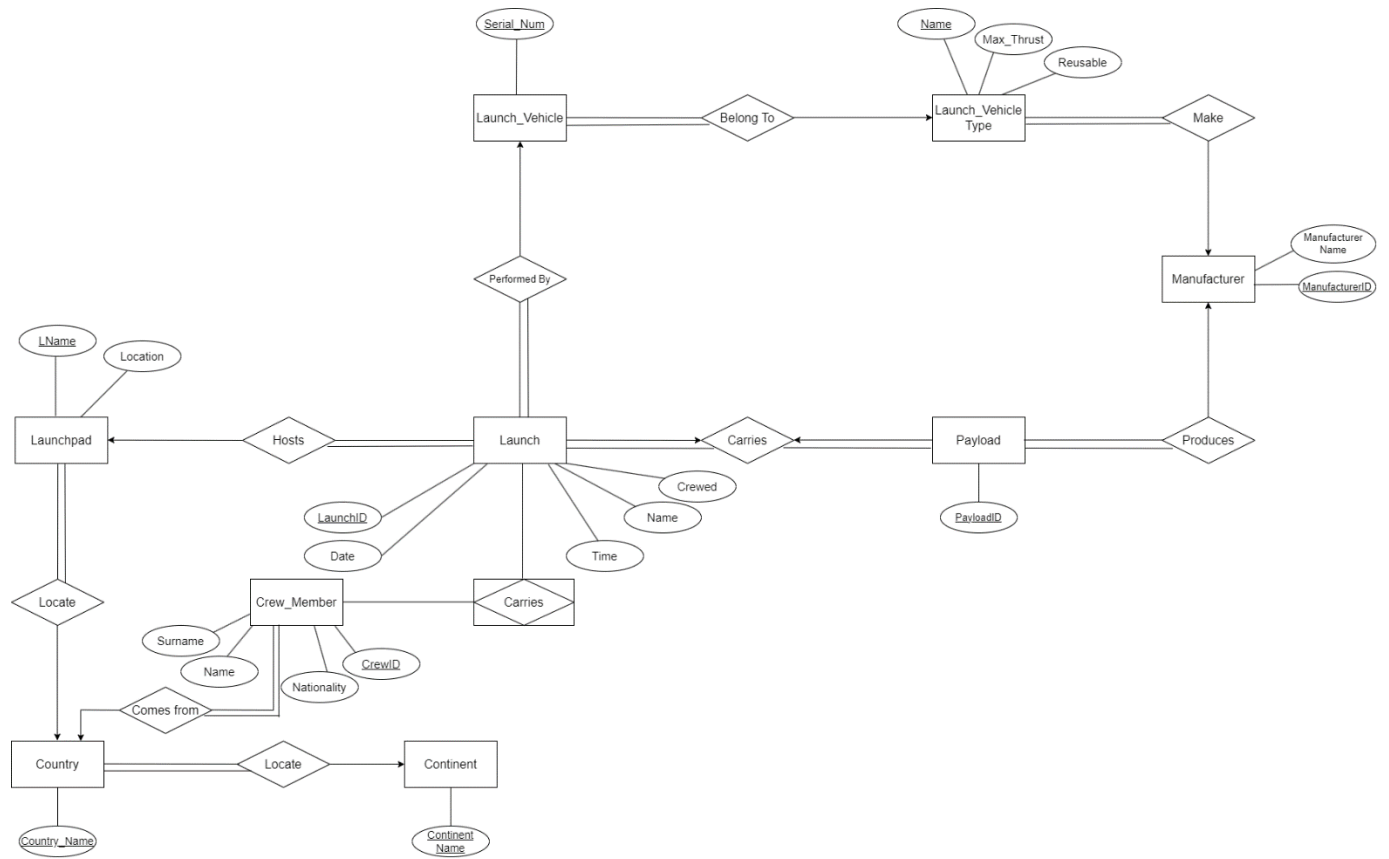
Girish Rajani-Bathija (A20503736)

Due Date: 10/17/23

Contributions:

Both members completed all questions together, compared/discussed answers, and then took 1 file as a submission.

# Launch Pad ERD (Chen Model)



## Launch Pad Relational Schema

Launchpad Table (LName, Location, Country\_Name (FK))

Launch Table (LaunchID, Date, Time, Name, Crewed, LName (FK), Serial\_Num (FK))

Launch Vehicle Table (Serial\_Num, Launch\_Vehicle\_Type\_Name (FK))

Launch Vehicle Type Table (Launch\_Vehicle\_Type\_Name, Max\_Thurst, Reusable, ManufacturerID (FK))

Manufacturer Table (ManufacturerID, Manufacturer\_Name)

Payload Table (PayloadID, ManufacturerID (FK), LaunchID (FK))

Crew Member Table (CrewID, Nationality, Name, Surname, Country\_Name(FK))

Launch\_Carries\_Crew\_Member (LaunchID, CrewID)

Country Table (Country\_Name, Continent\_Name(FK))

Continent Table (Continent\_Name)