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Lab 9

Database Management

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1. The functional dependencies are, Crew depends on Astronauts, the Spacecraft depends on the Systems, which Systems depends on the Parts, which the Parts depends on the Suppliers. The Catalog depends on both Parts and Suppliers. The Spacecraft could depend on the Engineers that built it, as well as the Flight Control Operators depends on the Spacecraft, since each Spacecraft has different Systems.

2. Please see separate file in Lab 9 folder for ER Diagram.

3. This ER Diagram is in 3rd normal form because there are no transitive dependencies or partial dependencies. There are little to none many to many relationships.