

ITSS 4300 Group Project

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Situation:

A parent company of shooting ranges is in need of a database to store customer information and membership status. Each member is issued a membership card. Once a membership is granted, members have access to the range as many times as they please during operating hours. Every time they intend to use the range, the card should be presented to verify membership. Members can rent guns from the range to use while they are in the range. Each range has a name and location. Each membership card has a unique code specific to each location. Each member has a name and age. Each gun has a serial number and type of gun. Each instructor has a name, age, and level of certification.

Business Rules:

A gun range distributes many membership cards.

Each membership card is distributed by only one gun range.

A membership card is assigned to only one customer.

A customer can have only one membership card.

One instructor is assigned to many customers.

Each customer is assigned to only one instructor.

A customer can rent many guns.

Each gun can only be rented to one customer at a time.