CS F212 DATABASE SYSTEMS

STAR WARS GALACTIC MANAGEMENT SYSTEM

Group 14

Group Members

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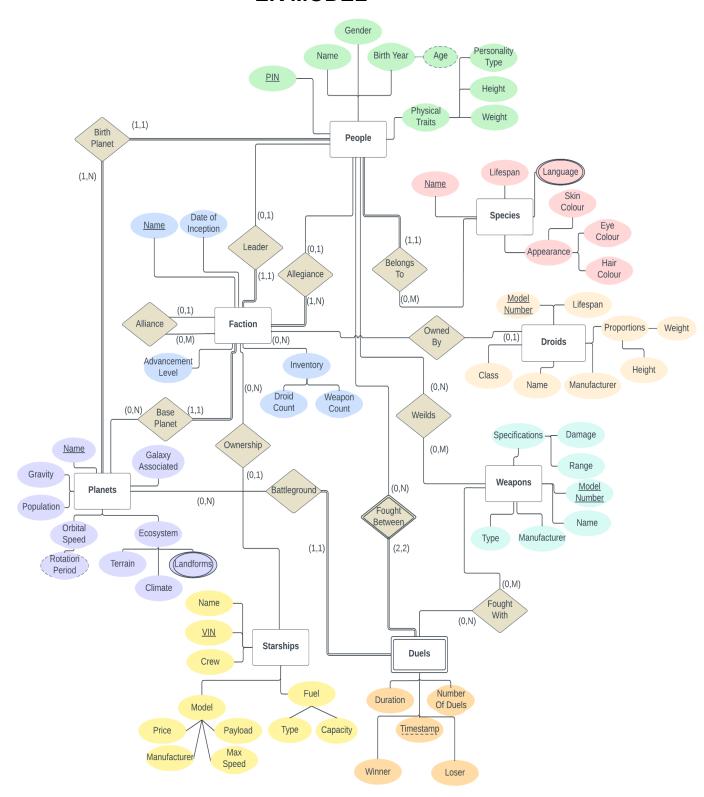
DESCRIPTION

The Star Wars Galactic Database is a comprehensive repository designed to encapsulate the vast and intricate universe of the Star Wars saga. It serves as a centralised repository for information, analysis, and categorising the enormous variety of elements that populate the galaxy far, far away.

- There are diverse **species** in the Star Wars Galaxy. Each species' entry includes information on unique names, their lifespans, languages, and physical features like hair, skin, and eye colour. Some species may also have no living members.
- People are an essential component of the Star Wars universe. Each person has a name, gender, birth year, and traits such as height, weight and personality type.
 Every person also is given a unique PIN. People may belong to several different species.
- Factions are a group of individuals or organisations united by a common cause.
 Their information includes a unique name, date of inception, advancement level, weapons, and droid inventories. Each Faction may have an alliance with other factions, a leader, and multiple people who have pledged allegiance.
- Droids are mechanical robots with varying degrees of artificial intelligence used as companions, labourers, for the military or specialised automation. These mechanical beings have distinctive models and fundamental characteristics like name, lifespan, manufacturer, height and weight.
- **Weapons** are often used in duels between the individuals. Hence, they have unique models and names, including details on the level type and fundamental characteristics like damage, range and manufacturer.
- Star Wars boasts countless planets, each possessing unique geographical features, climates, and ecosystems. Each Planet has a unique name, mathematical details like orbital speed and gravity, and several people who reside there. While some planets are turned into battlefields for the sake of duels, others become base planets for the factions.
- **Starships** are essential to interstellar travel and combat. Starships have detailed information about their critical features like unique vehicle identification numbers, names, fuel type & capacity, payload, max speed, and crew count. Starships may be owned by a single faction, which may be transferred to others for a price.

Star Wars Galactic Database will act as a wiki for fans and critics alike to celebrate the masterpiece of the entire saga.

ER MODEL



ASSUMPTIONS

- Droids have different purposes, which have been assumed to be classes.
- Duels are fought between only 2 people.
- No duels end in draws, i.e. all duels have a winner or loser.
- Only one duel is fought at a particular time.
- Multiple duels are possible between 2 people.
- Age of a person can be derived from their birth year.

RELATIONAL MODEL

