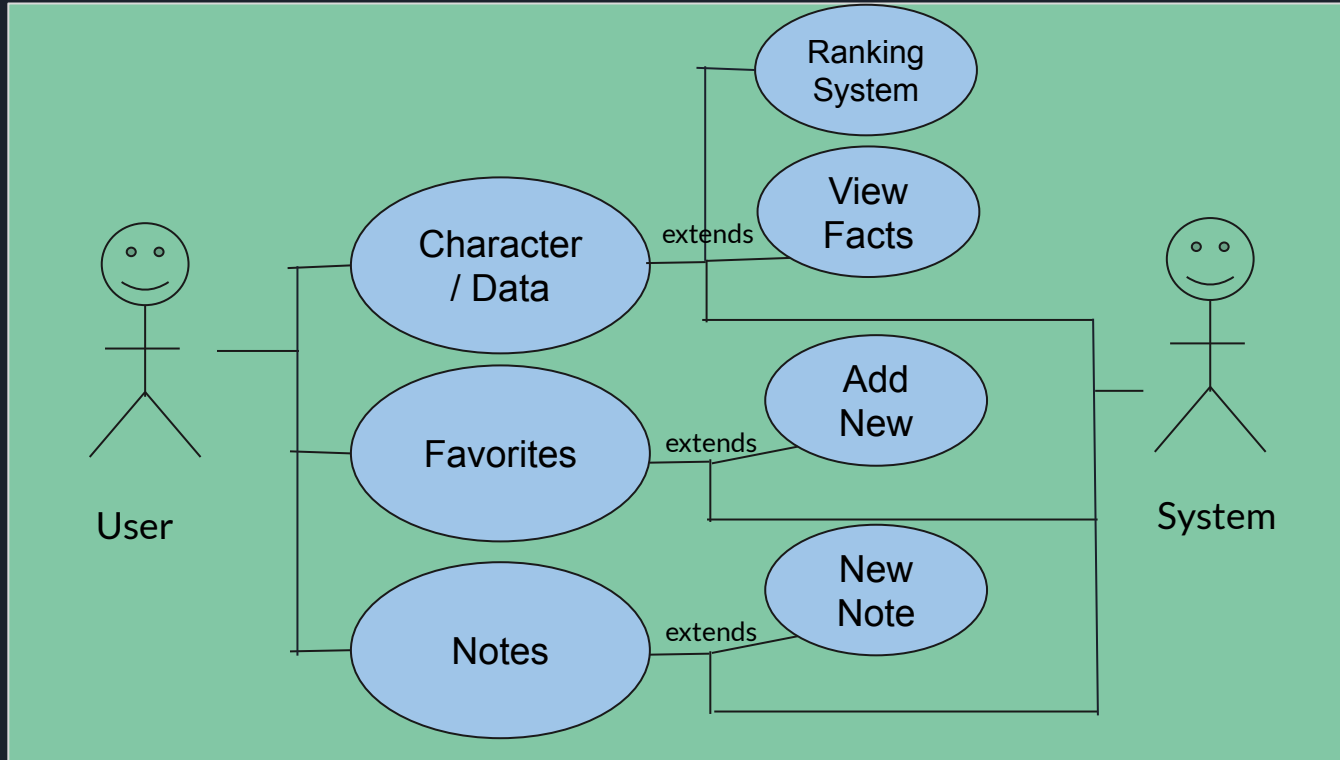# Super Data Bros Ultimate

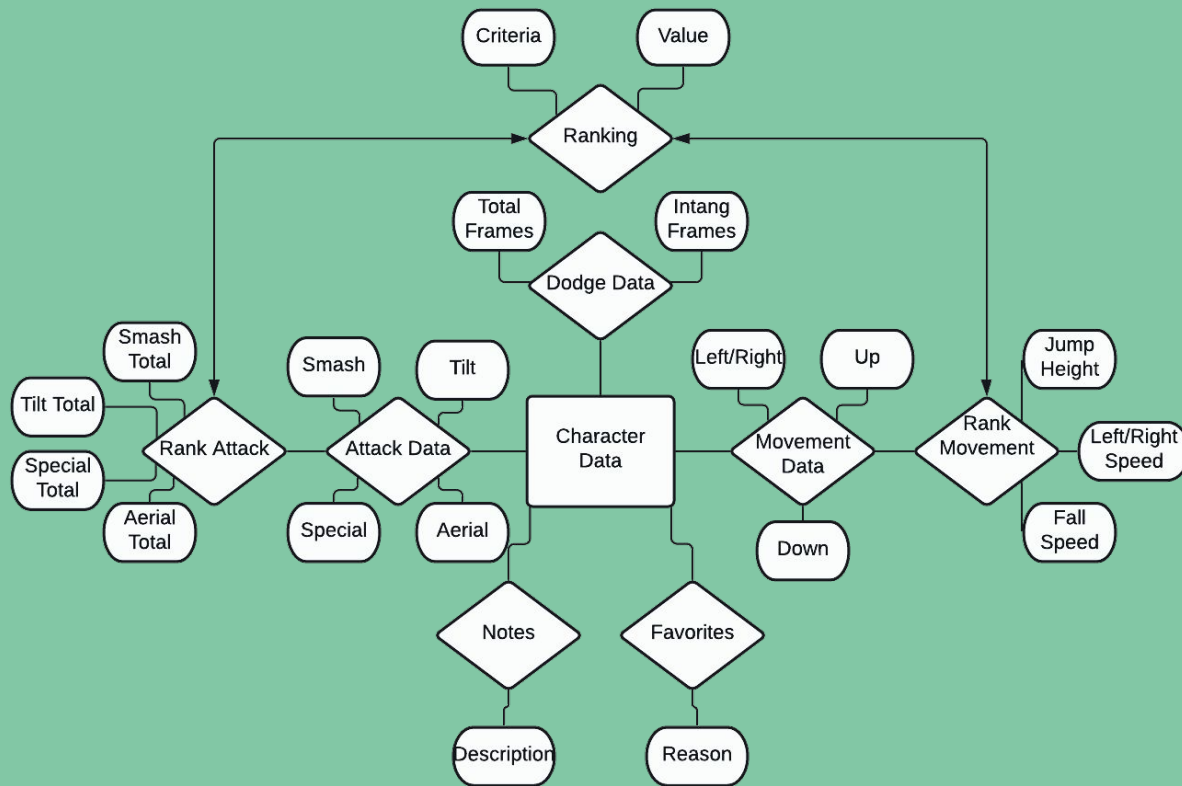Made By: Lucas Tran

System Description

- 10 of the most well known characters
- In depth and precise data
  - Attack Damage (%)
  - Movement (Speed)
  - Dodge (Frames)
- Ranking System
- Favorite Character Page
- Note Taking Option

Use-Case Description

E/R Diagram

Relational Schema

Attack Data:

- Left/Right Smash
- Down Smash
- Up Smash
- Left/Right Tilt
- Down Tilt
- Up Tilt
- Left/Right Special
- Down Special
- Up Special
- Left Aerial
- Right Aerial
- Down Aerial
- Up Aerial
- Character

Dodge Data:

- Spot Total Frames
- Spot Intan Frames
- Roll Total Frames
- Roll Intan Frames
- Air Total Frames
- Air Intan Frames
- Character

Movement Data:

- Left/Right Walk
- Left/Right Run
- Left/Right Air
- Up Height
- Down Speed
- Character

Attack Rank:

- Total Smash Dmg
- Total Tilt Dmg
- Total Special Dmg
- Total Aerial Dmg
- Rank
- Character
- Criteria

Ranking:

- Criteria
- Value
- Character

Notes:

- Description

Movement Rank:

- Horizontal Walk
- Horizontal Run
- Horizontal Aerial
- Jump Height
- Fall Speed
- Rank
- Character
- Criteria

Favorite:

- Reason
- Character

Implementation Details

Application Layer:

- Command Line List
- User Selection Interaction
  - Character Selection
  - Menu Selection
- Python
  - Visual Studio Code

Database:

- SQLite Database
- 8 tables
- Pre-loaded
  - Interacts with Python
- 100+ total tuples
- User Updated Tables

References

- Smash Picture - https://www.cnet.com/a/img/pgSnd0UIr65CtyGItpg7MRFkx6g=/940x0/2018/06/12/e913e102-1d4e-4366-bf1c-c8023c5ccd1e/super-smash-bros-ultimate-nintendo.png
- Dataset 1 - https://ultimateframedata.com/stats
- Dataset 2 - https://docs.google.com/spreadsheets/d/1INTVH1pDmrj4mnnofcLsVykFfix2Ysndx85aeaZSGSQ/edit#gid=234697095
- Github - https://github.com/Silverluc1/CSE-111---Super-Data-Bros-Ultimate