

Outline

I propose a database to track the plants grown in the backyard garden. There will be several raised beds and hundreds of seeds. I hope it can be used to streamline planting and maximize productivity of the garden.

Database Outline

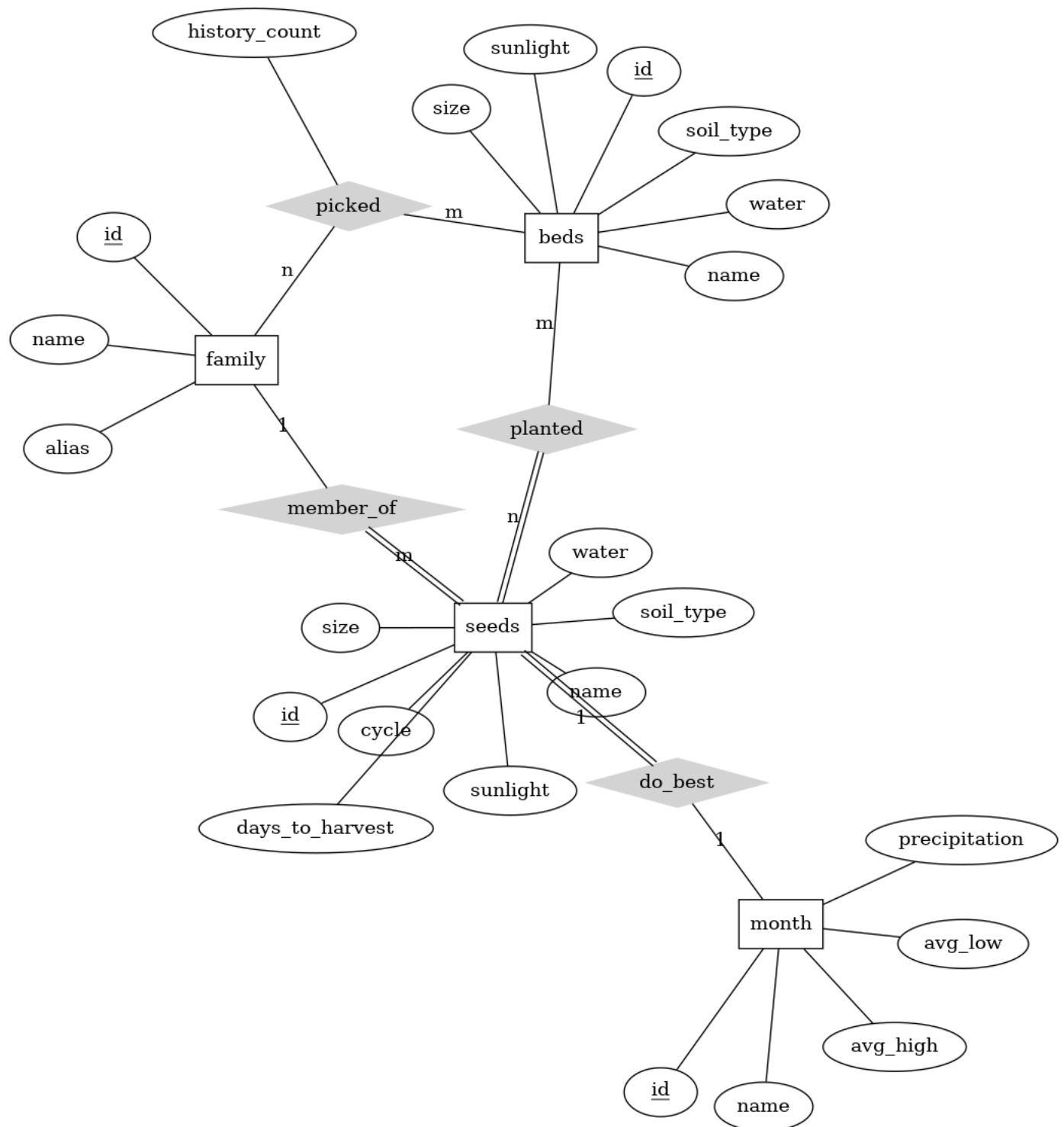
Entities:

- Beds - location, soil type, sunlight, water, size, season,
- Seeds - seed spacing, row spacing, cycle, sunlight, soil, water, harvest
- Season - Month, avg high, avg low, precipitation
- Plant Family - name, alias

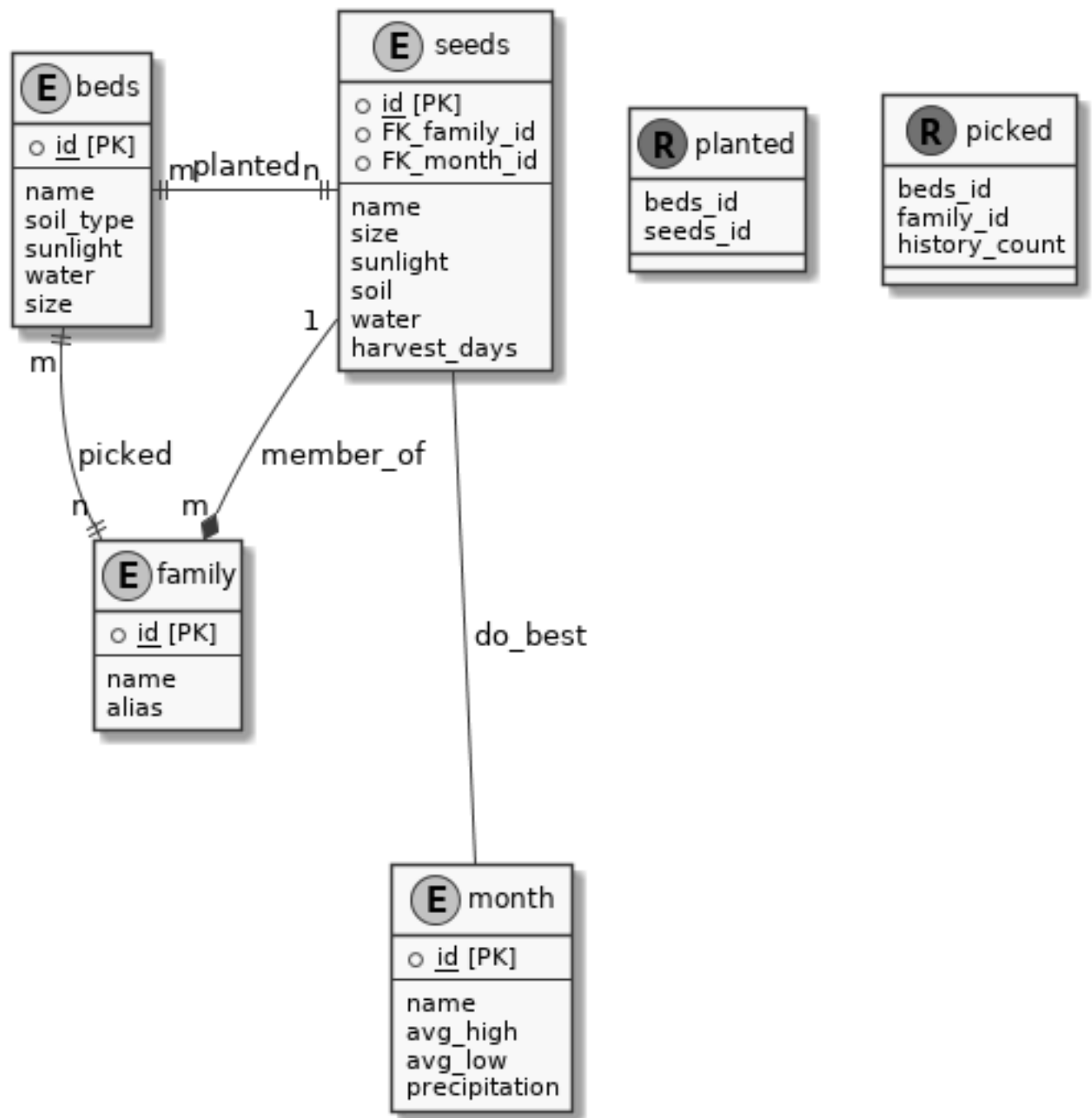
Relationship:

- many-to-many: seeds can be planted in any suitable beds and a bed can contain multiple different plants.
- one-to-many: each seed is from a plant family and a family can have multiple seeds.
- one-to-one: each seed is best planted in the appropriate season.
- many-to-many: track the history of each beds and the plant family to maximize crop rotation

ER Diagram



Schema



Data Definition Queries

Data Manipulation Queries

website functionality

style