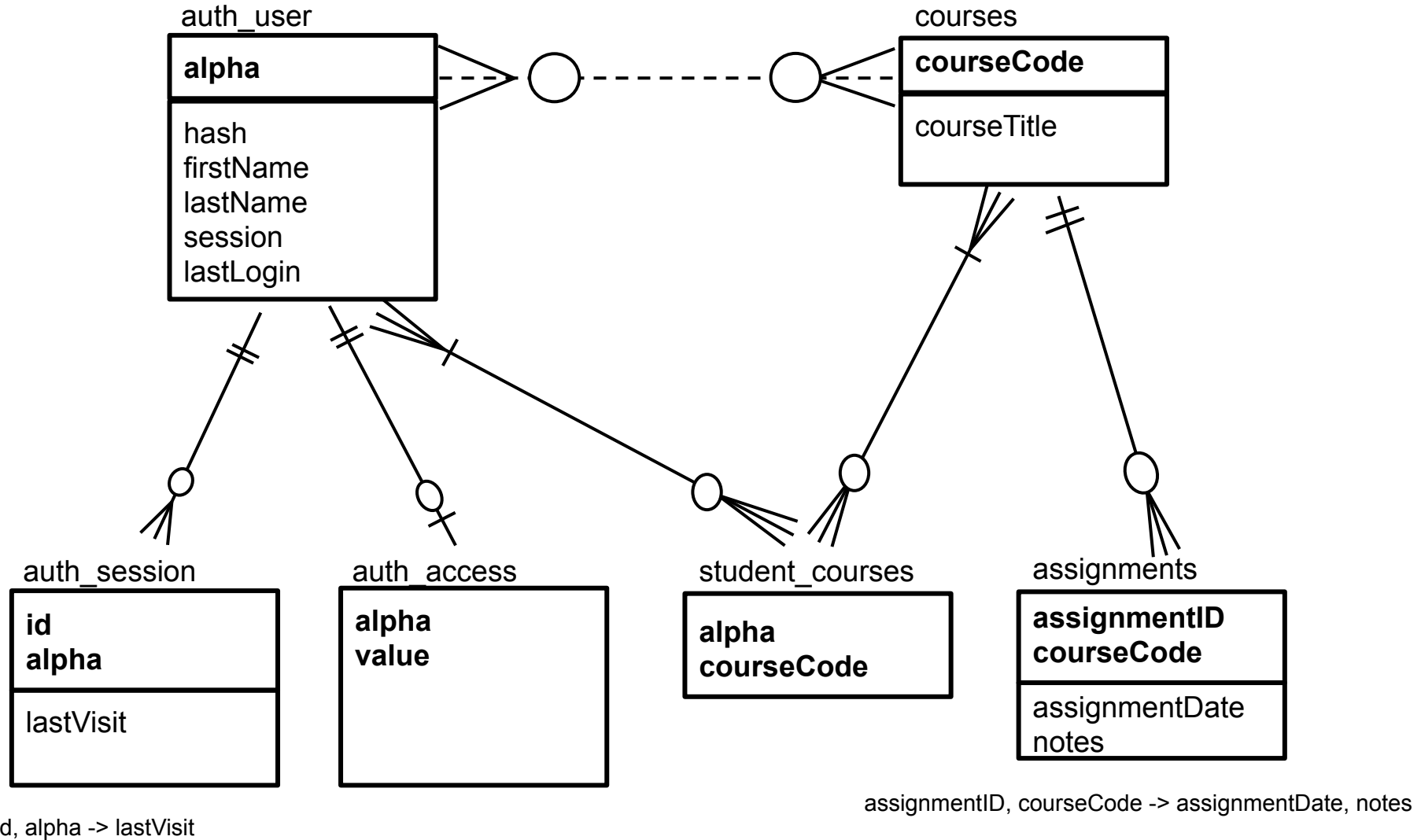


## Schema: master\_calendar

alpha -> (hash, first, last, sessionText, lastLogin)

courseCode -> courseTitle



## Master Calendar ER Model Comments

### Relationships

auth\_session's identifier includes **id** and **alpha** in order to mandate that each session be connected to a user. In this case, it is also necessary that alphas be part of the identifier because if id's repeat (hypothetically, due to a large number of users) then id's alone are not sufficient to uniquely identify entries in auth\_session.

assignment's identifier includes **assignmentID** and **courseCode** in order to enforce that entries in assignments are related to courses. In order to avoid violating BCNF convention, assignmentIDs must not be able to uniquely identify entries in assignments. As a result, assignmentIDs can repeat across courses (not within a course). In other words, all courses can each have an assignment with an id = 0, but no course can have 2 assignments with id = 0.

### Dependencies

There are no dependencies listed for auth\_access and student\_courses because each of their identifiers are composed of every column in their respective tables.

### Cardinality

auth\_user <-> auth\_session

a user does not need to have a session (if they have not logged in at all), but they can have multiple sessions

a session cannot exist without a user, and a single session cannot belong to multiple users