PostgreSQL Schema

```
CREATE DATABASE homework_helper;

CREATE TABLE users (
        uid INTEGER NOT NULL,
        first_name VARCHAR(16),
        last_name VARCHAR(16),
        email VARCHAR (16) NOT NULL,
        pass_digest VARCHAR (16) NOT NULL,
        PRIMARY KEY(uid)
);

CREATE TABLE students (
        sid INTEGER NOT NULL,
        uid INTEGER NOT NULL,
        class_year INTEGER,
        PRIMARY KEY(sid),
        FOREIGN KEY(uid) REFERENCES users ON DELETE CASCADE
);

CREATE TABLE teachers (
        tid INTEGER NOT NULL,
        rating INTEGER,
        uid INTEGER NOT NULL,
        PRIMARY KEY(tid),
        FOREIGN KEY(uid) REFERENCES users ON DELETE CASCADE
);

CREATE TABLE  courses (
        cid INTEGER NOT NULL,
        name VARCHAR(16) NOT NULL,
        tid INTEGER NOT NULL,
        location VARCHAR(16),
        start TIME,
        end TIME,
        PRIMARY KEY(cid),
        FOREIGN KEY(tid) REFERENCES teachers
);

CREATE TABLE takes (
        cid INTEGER,
        sid INTEGER,
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        PRIMARY KEY(cid, sid),
        FOREIGN KEY(cid) REFERENCES courses ON DELETE CASCADE,
        FOREIGN KEY(sid) REFERENCES students ON DELETE CASCADE,
);

CREATE TABLE courses_meta (
        mid INTEGER NOT NULL,
        cid INTEGER NOT NULL,
        start_date TIMESTAMP,
        end_date TIMESTAMP,
        recurrence_interval INTERVAL,
        PRIMARY KEY(mid),
        FOREIGN KEY(cid) REFERENCES courses ON DELETE CASCADE
);

CREATE TABLE assignments (
        aid INTEGER NOT NULL,
        cid INTEGER NOT NULL,
        name VARCHAR(16),
        due_date TIMESTAMP,
        interval INTERVAL,
        PRIMARY KEY(aid),
        FOREIGN KEY(cid) REFERENCES courses ON DELETE CASCADE
);

CREATE TABLE has_priority (
        sid INTEGER NOT NULL,
        aid INTEGER NOT NULL,
        priority INTEGER NOT NULL,
        PRIMARY KEY (sid, aid),
        FOREIGN KEY(sid) REFERENCES students,
        FOREIGN KEY(aid) REFERENCES assignments
);
```