```
CREATE TABLE user_groups (
                                                                                                                                                                    parents_group TEXT, >
                      CREATE TABLE access_groups
                                                                                                                                                                     child_group TEXT,
                        > uuid TEXT NOT NULL,
                                                                                                                                                                   member TEXT,
                            group_name TEXT,
                                                                                                                                                                     access_group TEXT,
                            parent_group TEXT,
                                                                                                                                                                     FOREIGN KEY(member) REFERENCES auths(uuid),
                            PRIMARY KEY(group_name),
                                                                                                                                                                     FOREIGN KEY(access_group) REFERENCES access_groups(uuid)
                            FOREIGN KEY(parent_group) REFERENCES access_groups(uuid)
                                                                                                                                                              CREATE UNIQUE INDEX shares ON user_groups(child_group);
                     CREATE UNIQUE INDEX group_names ON access_groups(uuid);
                                                                                                                                                              CREATE INDEX membership ON user_groups(member, access_group);
                     CREATE TABLE invitations
                        Juuid TEXT,
                           inviter TEXT,
                                                                                                                                                             CREATE TABLE limitations
                           access_group TEXT,
                                                                                                                                                                — users_group TEXT,
                            acceptance_expiration INT,
                                                                                                                                                                   active BOOLEAN DEFAULT 1,
                            access_expiration INT,
                                                                                                                                                                    until INT,
                            access_limit INT,
                                                                                                                                                                    spots INT,
                            invitees INT_
                                                                                                                                                                    wia TEXT,
                           plus INT, 🏏
                                                                                                                                                                    depletes BOOLEAN,
                           depletes TEXT,
                                                                                                                                                                    dos INT,
                            dos INT, /* degrees of separation */
                                                                                                                                                                   deauthorizes INT DEFAULT 0,
                            deauthorizes INT DEFAULT 0, /* 0, 1, 2 */
                                                                                                                                                                   FOREIGN KEY(users_group) REFERENCES user_groups(child_group),
                            'implies TEXT,
                                                                                                                                                                   FOREIGN KEY (via) REFERENCES invitations (uuid),
                            implied INT DEFAULT 0, /* -1, 0, 1 */
                                                                                                                                                                   CHECK(deauthorizes >= 0 AND deauthorizes <= 2)</pre>
                           redirect TEXT,
                            PRIMARY KEY(uuid),
                            FOREIGN KEY(depletes) REFERENCES invitations(uuid),
u
                            FOREIGN KEY(inviter) REFERENCES user_groups(child_group),
                            FOREIGN KEY (access_group) REFERENCES access_groups (uuid),
                                                                                                                                                                                                              FOREIGN KEY (implies) REFERENCES invitations (uuid),
                            CHECK((implies IS NULL) <> (redirect IS NULL)),
                           CHECK(deauthorizes >= 0 AND deauthorizes <= 2),
                            CHECK(implied >= -1 AND deauthorizes <= 1)
ons Mijetive to invitations |

Injective to used accept

Injective to accept

all injective

all injective
                                                                                                                                               --TODO: why isn't this limitations?
                                                                                                                                                               I can join invitations with limitations on inviter
                                                                                                                                                      1.75 of Info 75

13 of Super except of the super super super super except of the super sup
                                                                                                                                                                so depletes as text is redundant since it's also limitations.via
```

1 2/0x