users

CREATE TABLE `users` (
  `id` int AUTO_INCREMENT PRIMARY KEY,
  `username` varchar(255) NOT NULL UNIQUE,
  `security_key` varchar(255) NOT NULL,
  `theme` varchar(255) NOT NULL DEFAULT 'purple',
  `profile_pic` varchar(255) NOT NULL DEFAULT 'purpleAvatar',
  `display_name` varchar(255) NOT NULL
);

id	username	security_key	theme	profile_pic	display_name
1	tom9921	[hashed version of pw]	'purple'	purpleAvatar	tom
2	jake21312	[hashed version of pw]	'green'	'pinkCat'	jake

chores

CREATE TABLE `chores` (
  `id` int AUTO_INCREMENT PRIMARY KEY,
  `user_id` int NOT NULL,
  `chore_name` varchar(255) NOT NULL,
  `is_completed` BOOLEAN DEFAULT FALSE NOT NULL,
  `recurrence` enum('Just Once','Daily','Weekly','Every Minute') DEFAULT 'Just Once',
);

ALTER TABLE chores ADD CONSTRAINT unique_user_chore UNIQUE (user_id, chore_name);
ALTER TABLE chores ADD CONSTRAINT cascade_delete_chores FOREIGN KEY (`user_id`) REFERENCES `users` (`id`) ON DELETE CASCADE;

id	user_id	chore_name	is_completed	recurrence
1	1	clean kitchen	0	'Just Once'
2	1	take out trash	1	'Weekly'

tasks

```
CREATE TABLE tasks (
    `id` int AUTO_INCREMENT PRIMARY KEY,
    `chore_id` int NOT NULL,
    `task_name` varchar(255) NOT NULL,
    `is_completed` BOOLEAN DEFAULT FALSE NOT NULL,
);

ALTER TABLE tasks ADD CONSTRAINT unique_chore_task UNIQUE (chore_id, task_name);
ALTER TABLE tasks ADD CONSTRAINT cascade_delete_tasks FOREIGN KEY (`chore_id`)
REFERENCES `chores` (`id`) ON DELETE CASCADE;
```

id	chore_id	task_name	is_completed
1	1	clean kitchen table	0
2	1	do dishes	1
3	1	mop floor	0

group_names

```
CREATE TABLE group_names (
    `id` INT AUTO_INCREMENT PRIMARY KEY,
    `group_name` VARCHAR(255) NOT NULL);
);
```

id	group_name
1	dorm 100
2	condo 999

group_members

CREATE TABLE group_members (
    `user_id` INT NOT NULL,
    `group_id` INT NOT NULL,
    `role` ENUM('admin', 'member') DEFAULT 'member',
    `group_color` varchar(255) NOT NULL DEFAULT (_utf8mb4'purple'),
    `can_modify_chore` BOOLEAN DEFAULT TRUE NOT NULL,
    PRIMARY KEY (user_id, group_id),
    FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE,
    FOREIGN KEY (group_id) REFERENCES group_names(id) ON DELETE CASCADE);
);

user_id	group_id	role	group_color	can_modify_chore
1	1	admin	'purple'	0
2	1	member	'yellow'	1

group_invitations

CREATE TABLE group_invitations (
    `id` INT AUTO_INCREMENT PRIMARY KEY,
    `inviter_id` INT NOT NULL,
    `invitee_id` INT NOT NULL,
    `group_id` INT NOT NULL,
    `status` ENUM('pending', 'accepted', 'rejected') DEFAULT 'pending',
    FOREIGN KEY (inviter_id) REFERENCES users(id) ON DELETE CASCADE,
    FOREIGN KEY (invitee_id) REFERENCES users(id) ON DELETE CASCADE,
    FOREIGN KEY (group_id) REFERENCES group_names(id) ON DELETE CASCADE
);

id	inviter_id	invitee_id	group_id	status
1	1	2	1	pending
2	1	3	1	accepted
3	5	12	355	rejected

group_chores

CREATE TABLE group_chores (
  `id` int AUTO_INCREMENT PRIMARY KEY,
  `group_id` int NOT NULL,
  `group_chore_name` varchar(255) NOT NULL,
  `is_completed` BOOLEAN DEFAULT FALSE NOT NULL,
  `recurrence` ENUM('Just Once', 'Daily', 'Weekly', 'Every Minute') DEFAULT 'Just Once',
  `assigned_to` int NOT NULL,
  `rotation_enabled` BOOLEAN DEFAULT FALSE NOT NULL,
  FOREIGN KEY (assigned_to) REFERENCES users(id) ON DELETE CASCADE
);

ALTER TABLE group_chores ADD CONSTRAINT unique_group_chore UNIQUE (group_id, group_chore_name);
ALTER TABLE group_chores ADD CONSTRAINT cascade_delete_group_chores FOREIGN KEY (`group_id`) REFERENCES `group_names` (`id`) ON DELETE CASCADE;

id	group_id	group_chore_name	is_completed	recurrence	assigned_to	rotation_enabled
1	1	wash dishes	0	Daily	3	0
2	1	take out the trash	1	Weekly	4	1

group_tasks

CREATE TABLE group_tasks (
  `id` int AUTO_INCREMENT PRIMARY KEY,
  `group_chore_id` int NOT NULL,
  `group_task_name` varchar(255) NOT NULL,
  `is_completed` BOOLEAN DEFAULT FALSE
);

ALTER TABLE group_tasks ADD CONSTRAINT unique_group_chore_task UNIQUE (group_chore_id, group_task_name);
ALTER TABLE group_tasks ADD CONSTRAINT cascade_delete_group_tasks FOREIGN KEY (`group_chore_id`) REFERENCES `group_chores` (`id`) ON DELETE CASCADE;

id	group_chore_id	group_task_name	is_completed
1	2	take out the bins	1
2	2	replace bags	1