# Milestone Three
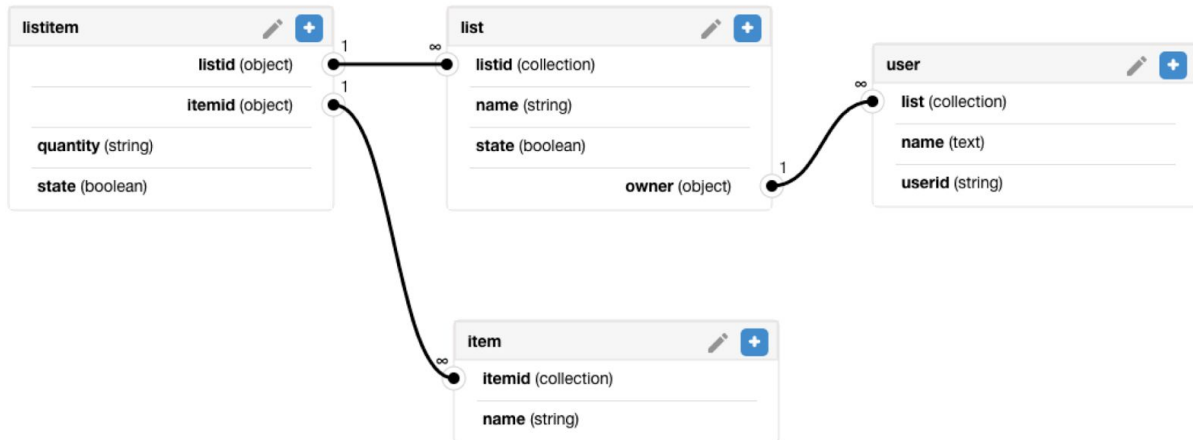
## Team 2

| Team Members | |
|---|---|
| *Name* | *Email* |
| Heesuk Jang | Heesuk.Jang@colorado.edu |
| Jacob Hallberg | Jacob.Hallberg@colorado.edu |
| Juan Vargas-Murillo | Juan.Vargasmurillo@colorado.edu |
| Seungjeong Park | Seungjeong.Park@colorado.edu |
| Han, Hanye | Hanye.Han@colorado.edu |

| Database | We are using a 3rd party backend service called *Backand.* We provide the JSON objects and relation types and *Backand* will create the MySQL datatables that we can connect to through PHP. |
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### DataModel:



Our app will allow users, which have both names and a userid to create lists. A list object will have a name and a state. The state boolean value describes whether or not the list is no longer wanted by the user. In this case where the user selects for the list to no longer be shown the boolean value is changed and the table is hidden from view. Lists have list-items which may contain a quantity, describing the number of the specific itemid. Furthermore, the boolean state value describes whether or not the user has finished using that specific item. Additionally, given that it's possible to have multiple of the same item that are allocated over different list we have a separate item table.

# Scripts to create and populate MySQL database

```sql
create table if not exists `user`(
`list` varchar(40) not null,
`name` varchar(40) not null,
`userid` varchar(40) not null,
primary key (`list`)
);

create table if not exists `item`(
`itemid` varchar(40) not null,
`name` varchar(40) not null,
primary key (`itemid`)
);

insert into `item` (`itemid`, `name`) values ('1', 'test');

insert into `user` (`list`,`name`,`userid`) values ('test', 'tester', 'test1');

create table if not exists listitem(
  listid varchar(30) not null,
  itemid varchar(30) not null,
  quantity int(4) not null,
  state boolean not null default '0',
  primary key (listid, itemid)
);

insert into listitem(listid, itemid, quantity) values
  ('3', '23', 10),
  ('5', '13', 5);

create table if not exists list (
  listid varchar(30) not null,
  name varchar(30) not null,
  state boolean not null default '0',
  primary key (listid)
);

insert into list (listid, name) values
  ('1', 'apple'),
  ('2', 'banana');
```