

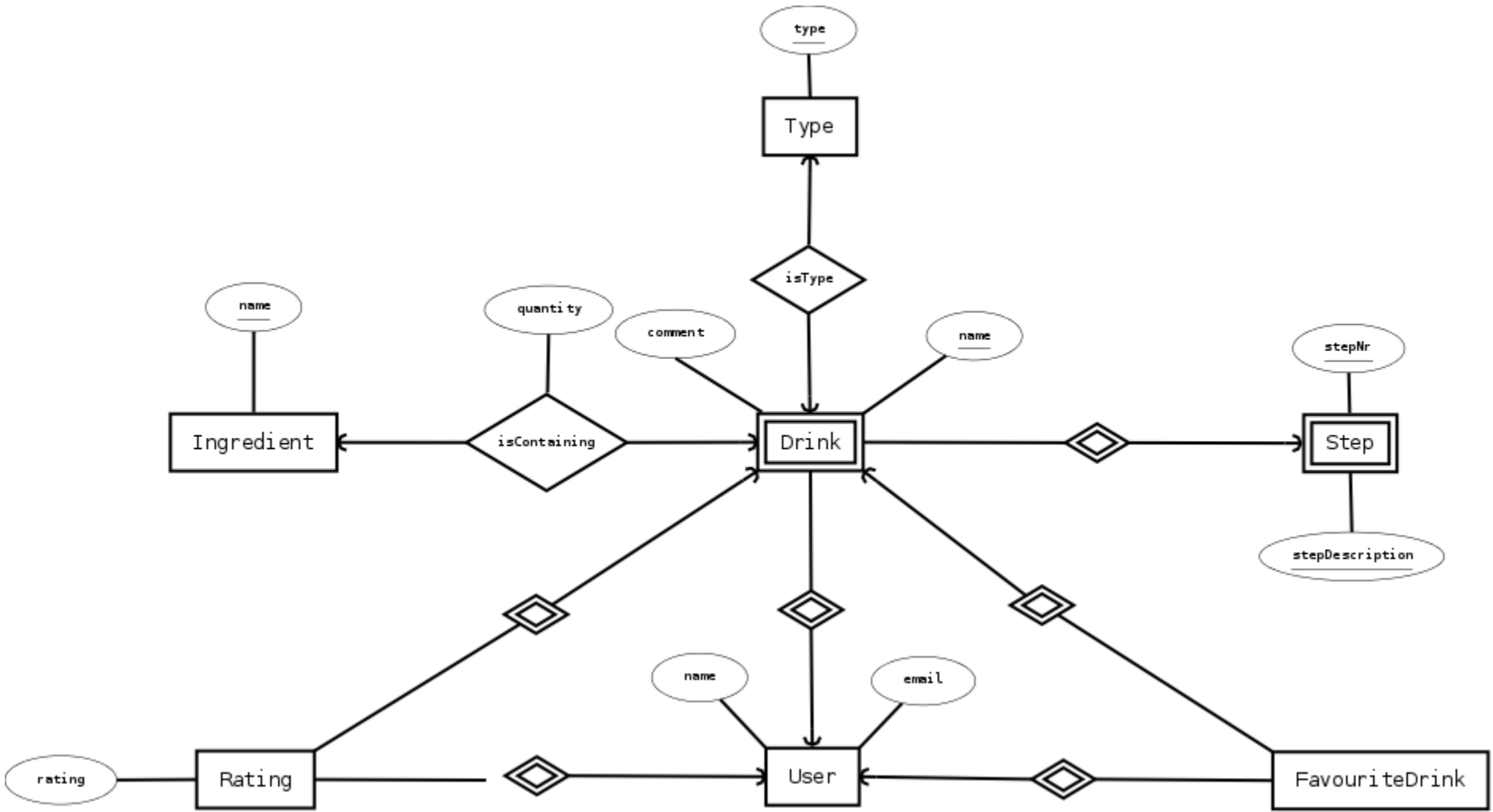
Your online Drink Book!

DrinkApp

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The application

- Can be used by anyone
- Easy-to-use layout and design
- Browse drinks by ingredients and/or name
- Register/Login for even more features
- Add favourite drinks
- Rate Drinks



Demonstration

`drinkapp.nu:8080/DrinkApp`

Heart of the application

```
@Override
public List<Object[]> searchByNameAndIngredient(String drinkname, List<String> ingredients){
    String s = "";
    for(int i = 0; i < ingredients.size(); i++) {
        s += "" + ingredients.get(i) + "";
        if(i != ingredients.size() - 1) {
            s += ",";
        }
    }
    //The Drinksearch query with subqueries.
    //The main query that finds out if a drink contains all the submitted ingredients
    //and/or how many ingredients that are missing
    Query tq = em.createNativeQuery("SELECT d.drinkname, d.user_username, (ipd.NROFINGREDIENTS - da.drinkcount) AS Counters \n" +
        //Subquery to find which of the submitted ingredients a drink contains.
        "FROM (SELECT di.DRINKNAME AS Drinkname, COUNT(*) AS drinkCount \n" +
        "FROM DrinkIngredient di \n" +
        "WHERE di.INGREDIENT_NAME IN (" + s + ") \n" +
        "GROUP BY di.DRINKNAME) da, \n" +
        //Subquery to find total number of ingredients per drink
        "(SELECT di.DRINKNAME AS Drinkname, COUNT(*) AS nrOfIngredients \n" +
        "FROM DrinkIngredient di \n" +
        "GROUP BY di.DRINKNAME) ipd, Drink d \n" +
        "WHERE da.drinkname LIKE '%" + drinkname + "%' AND da.drinkname = ipd.DRINKNAME AND d.drinkname = da.drinkname \n" +
        "ORDER BY Counters ASC");

    return tq.getResultList();
}
```

Future Work

- Admin interface
- My Profile - fun facts
- Guestbook
- Live-feed
- Chat
- Facebook connectivity.