The app should enable users to create multiple “billing events” and manage sponsor’s contributions as well as their own. User have to have an account to save their events and data.

It should allow users to add sponsors to the event by name. It should also allow users to add contributions to each sponsor, with a title of the contribution, the amount, and an optional description. The contribution can instantiated or edited to apply to all sponsors in the event evenly, or only to some specific sponsors.

The application should provide the following data:

* the total spent by each person
* the total spent by the group
* how much each person owes, and to whom

HARD: If the user wishes, he can add the contact information of a person to their name in the event, which would enable the new person to edit the event on their end as well.

Requirements:

FR:

1. The system shall allow users to **create an account**
   1. The system shall allow users to create an account by entering their username or phone number and password
   2. The system shall allow users to edit their account information
2. The system shall allow users to **log in**
   1. The system shall allow users to log in using their username or phone number and password
3. The system shall **display the created events** upon log-in
4. The system shall allow the user to **order the events**
   1. The system shall allow the user to order the events by created date and by reverse created date
5. The system shall allow the user to **mark an event as favorite** for it to be displayed as the first event no matter the selection of ordering of events.
6. The system shall allow users to **create a new event**
   1. The system shall automatically include one column for a sponsor
7. The system shall allow users to **add sponsors to an event**
   1. The system shall allow users to add sponsors to an event by clicking an “Add” button
8. The system shall allow users to **add a contribution to a sponsor** (including themselves)
   1. The system shall allow users to add a contribution to a sponsor by entering a title, an amount, and a description (description can be blank).
   2. The system shall allow users to choose whether contribution apply to all sponsors in the event evenly
   3. The system shall allow users to select which sponsors a contribution affects and how much they should then contribute to it, either in dollar amount of in percentage
9. The system shall **provide data about the event**
   1. The system shall provide a figure of how much was spent for the entire event
   2. The system shall provide a figure of the total owed between sponsors
10. The system shall **provide data about each sponsor** by clicking on a sponsor
    1. The system shall provide a figure of how much each sponsor owes
    2. The system shall provide a list of sponsors to whom the sponsor owes, including a list of contributions for each
    3. The system shall provide a figure of how much each sponsor is owed
    4. The system shall provide a list of sponsors that owe the sponsor, including a list of contributions for each
11. The system shall allow users to **see a list of all contributions** both for the whole event and for each sponsor in the event
    1. The system shall provide a list of all contributions in the event, with the title, the amount, the sponsor, and the description
    2. The system shall provide a list of all contributions by the sponsor, with the title, the amount, and the description
12. The system shall allow users to **share an event with other users ??** to work on the event collaboratively
13. The system shall be able to the send a confirmation text to the user upon registration

NFR:

1. The system shall be able to handle 5000 users at once
2. The system shall be able to the send a confirmation text to the user within 2 minutes of registration