Local Events

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Developer

**Revision History**

|  |  |  |
| --- | --- | --- |
| **Last User to make Changes** | **Date** | **Summary of Changes** |
|  |  |  |
|  |  |  |

[This section is optional. Revision history may also be recorded as part of version control.]

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# **Vision Statement**

For Android users that would like to find local events near them. With Local Events they will be able to create, edit, and view local public and private events. Along with being able to maintain those events. Unlike other apps users will have an easier tool to access local events.

Requirements:

## Categories of Users:

**Event-Goer** – Anyone looking or going to an event.

**Event Creators/Admin** – The host of an event or event manager.

## Actor-Goal List:

|  |  |
| --- | --- |
| **Actor** | **Goal** |
| Event-Goer | Find Events in area |
|  | Browse list of available events |
|  | View events information |
|  | RSVP event if needed |
|  | Get Notifications when event is starting |
| Event Creator/Admin | Create an event |
|  | Create events settings |
|  | Edit event |
|  | Edit Settings |

## Identify User Stories:

* As an Event Creator, I want to be able to create an event that people can attend.
  + Estimated Effort: 10 Story Points.
* As an Event-Goer I want to see local events that I can attend.
  + Estimated Effort: 4 Story points.
* As an Event-Admin I want to be able to edit the event I am hosting so that event-goers are up to date on the event.
  + Estimated Effort: 8 Story points.
* As an Event Creator, I want to be able to make private events, so I can invite only certain people.
  + Estimated Effort: 4 Story points.
* As an Event Creator, I want to be able to make public events, so anyone can attend.
  + Estimated Effort: 4 Story points.
* As an Event-Goer I want to be able to request an invitation to an event.
  + Estimated Effort: 8 Story points.
* As an Event-Admin I want to be able to accept event invite request.
  + Estimated Effort: 8 Story Points.

### **Product Backlog**

The collection of stories makes up your project’s product backlog:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Story ID** | **Story** | **Story Points** | **Priority** | **Status** |
| S1 | Allow Event Creator to create an event. | 10 | 1 | Complete  3/18/18 |
| S2 | Allow Event-Goer and creator to view available events. | 4 | 2 | Complete 2/18/18 |
| S3 | Allow Event-Admin to edit the event settings | 4 | 3 |  |
| S4 | Allow Event Creator to set privacy of event’s. | 8 | 4 |  |
| S5 | Allow Event-Goer to request an invitation to an event. | 8 | 5 |  |
| S6 | Allow Event Admin to accept event invite request. | 8 | 6 |  |

# **Sprint #1**

Sprint 1 Backlog

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story / Task** | **Estimated**  **Hours** | **Actual**  **Hours** |
|  | Create Database | 2 |  |
|  | Create user login page. | 4 | 1 |
| S1 | Design main UI and creator UI | 2 | 3 |
|  | Code main UI to creator UI | 3 | 2 |
|  | Test sending to Database | 3 |  |
|  | Code data input to database | 4 |  |
| S2 | Display events in main UI | 4 | 4 |

# **Sprint #2**

Sprint 2 Backlog

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story / Task** | **Estimated**  **Hours** | **Actual**  **Hours** |
| S1 | Create Database | 2 | 4 |
| S1 | Test sending to Database | 1 | 4 |
| S1 | Code data input to database | 4 | 4 |
| S1 | Code user login and storage of login to database | 3 |  |

# **Sprint #3**

Sprint 3 Backlog

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story / Task** | **Estimated**  **Hours** | **Actual**  **Hours** |
| S1 | Code user login and storage of login to database | 8 | 9 |
| S3 | Set up edit protocols | 4 | 3 |

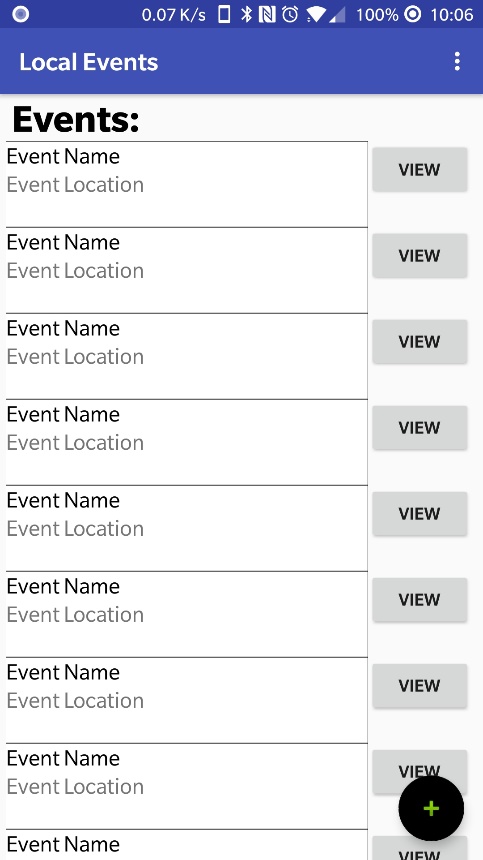
# **Sprint #4**

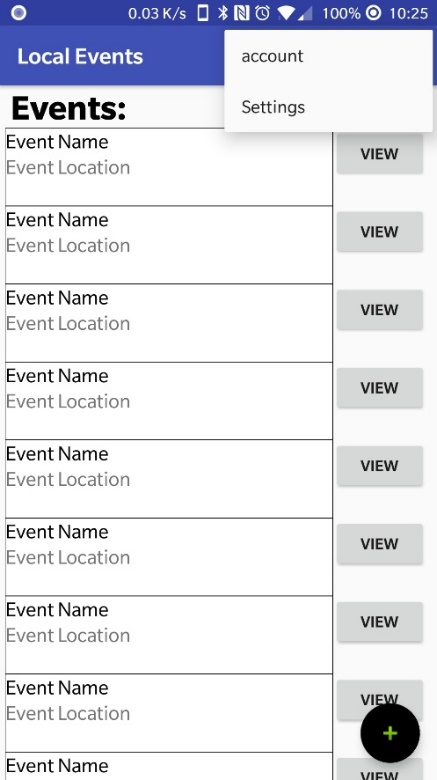
Sprint 4 Backlog

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story / Task** | **Estimated**  **Hours** | **Actual**  **Hours** |
| S3 | Code edit protocols | 4 |  |
|  | Set up API updates in the code | 4 |  |
|  | Set up API connection to database | 4 |  |

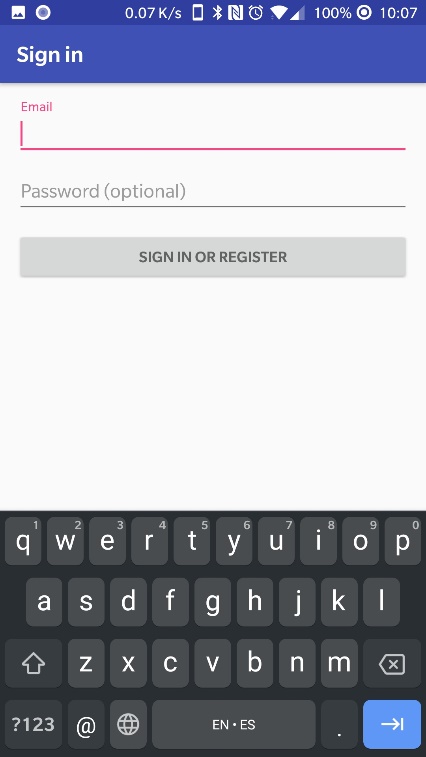
## Review

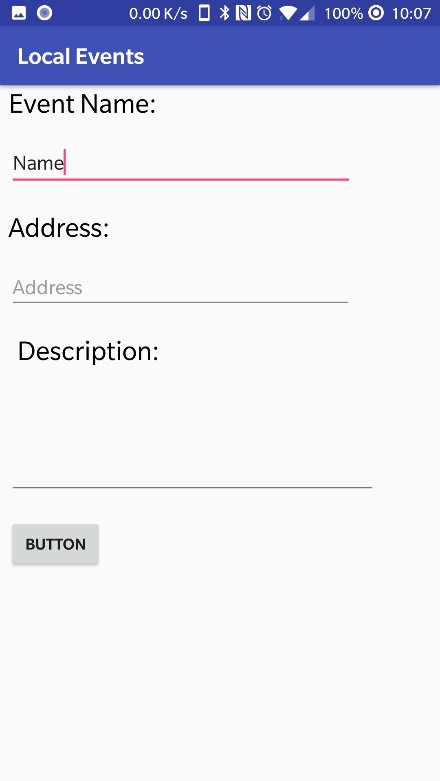
Iteration #1:

Example of the implementation of event-goer and event creator view of available events. Upon clicking the black and green plus sign the user will be redirected to the event creation activity.

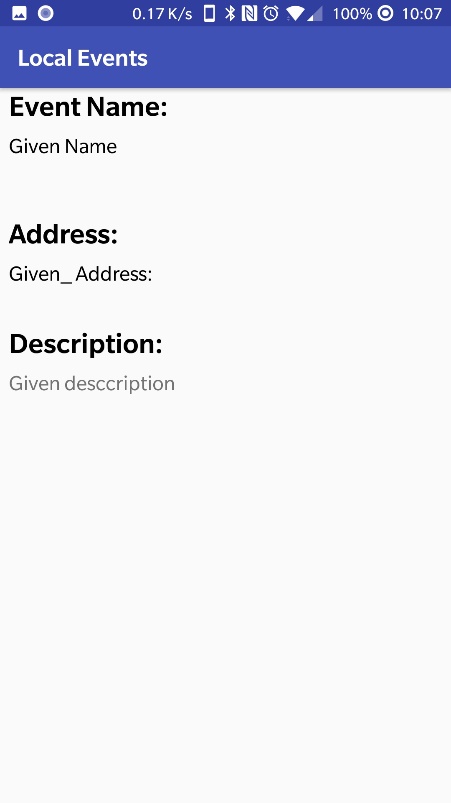
Example of menu options. Where the user can click on account to login.

The login page.

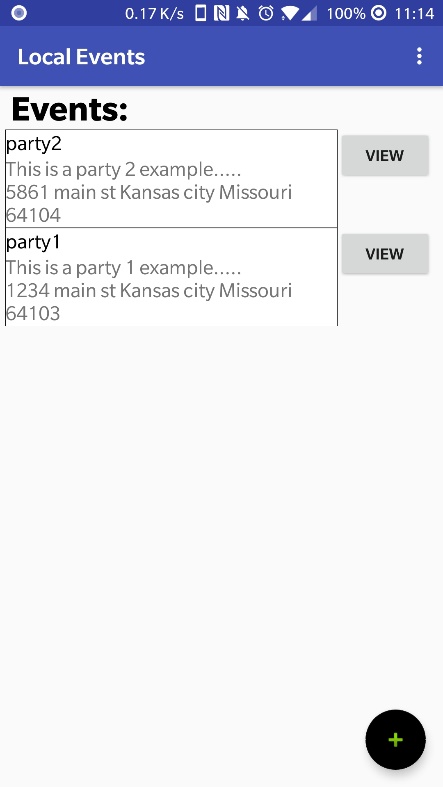




Example of the event creator page.

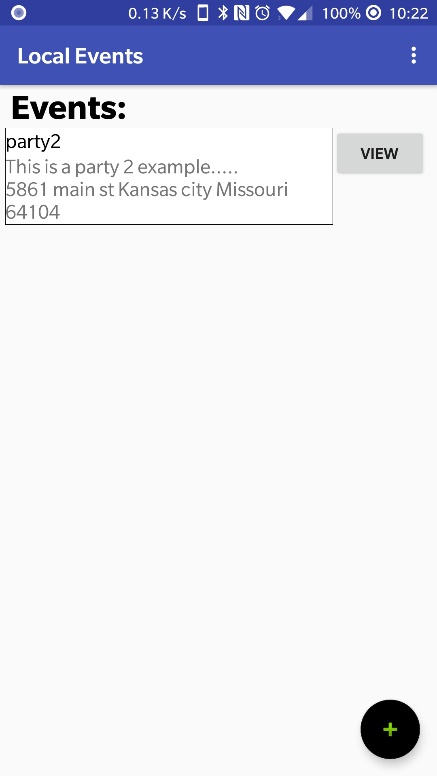
The view page to view the event.

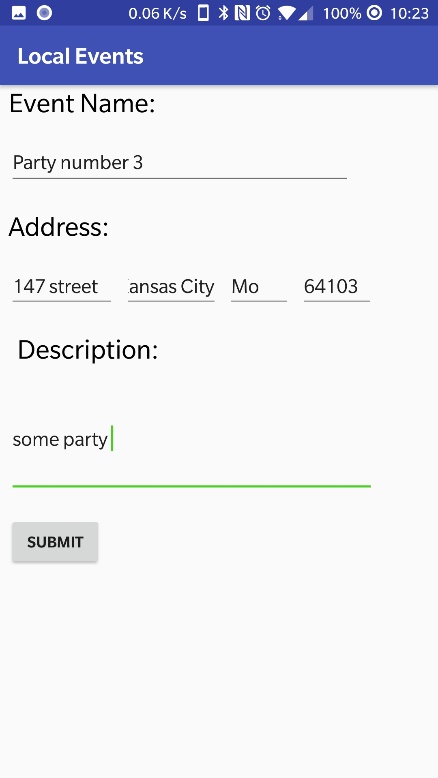
Iteration #2:

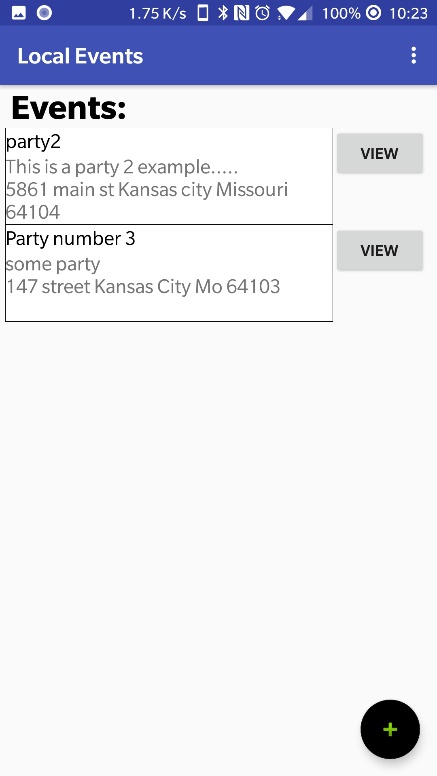


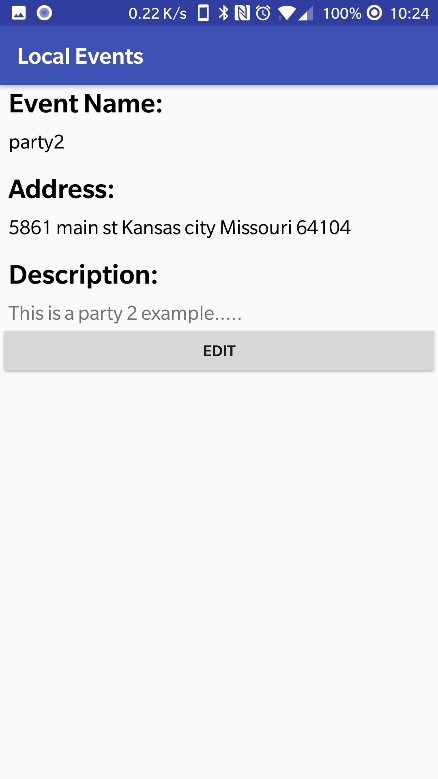
New main activity view. After the page retrieves the data from the database.

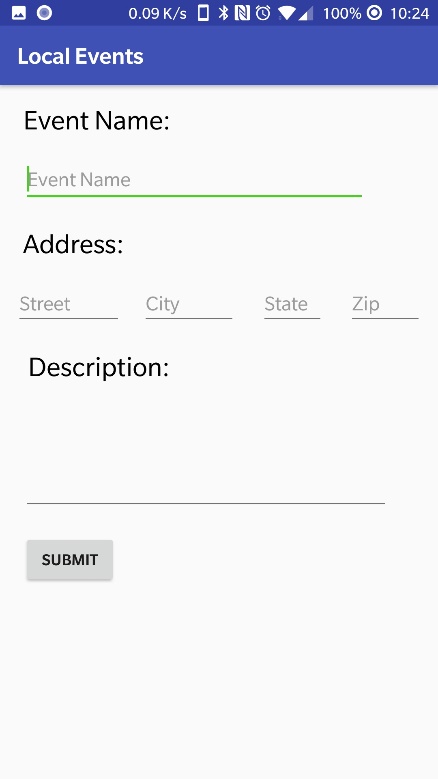
Iteration #3

Main Activity is still the same.

After clicking on the + sign it goes to this page where the user can create an event. As you can see here there is data inputted for the event. Once the user hits submit it will upload the event to the database.

Here you can see how the event is now in the database and displayed in the event list.

Another implementation was the option to view the events by clicking the view button. Here the details are displayed and if the user is the creator/host they are able to edit the event.

 When the user clicks on the edit button they will be sent to this page. Although this is similar to the create event page, it will display the event details for editing in upcoming iterations.

## Retrospective:

Iteration #1:

For this iteration, I planned to complete two stories but only part of one was complete. The reason for this was because of underestimating the first task. Creating a database is normally easy but getting the app to communicate with the database is a little more difficult than I anticipated. Therefore, I had to move on to creating the UI for the event goer and creator to view events. Which went well but I could not implement getting data from the database and displaying it. So, I moved on to creating the login page and the implementation of going from the main page to the login page and the create new event page. Finally, I was able to implement the view page, so the creator or event goer can see more details on the event.

Iteration #2:

For this iteration, I focused on making a working database, since I underestimated it in the last sprint. At first, I attempted to connect to a MySQL server but had no luck finding a good way to do it. So, I ended up just looking up how to make an API that I can connect to and get a JSON string for the app to receive. This took longer than I expected, and I had difficulty connecting to it on my local machine. I decided to just find a website that would allow me to host the server and I decided to use ZEIT’s NOW. It allows me to run the API and let it be accessible through the internet. Once I finished setting up the server I spent the rest of my time figuring out how to send a http GET request from android. Then I had to figure out how to send the request and update the activity data once the request was received. This was particularly difficult because the request had to be done in the background while the page was already displayed. Finally, I proceeded to take the data from the request and add a text view for each and a view button. Including the event information for each event.

Iteration #3

In this iteration, I focused on getting the database API ready for the login information and making sure the app can communicate with the API. Specifically, with HTTP POST and GET. I also created a new activity for the editing of the events and coded the connections between the view event and edit event activities.

# **Coding Standards**

Coding standards improve readability. They make it easier to understand code written by others. Good coding standards also improve reliability.