# Join Me: An Event Management Platform

Advanced Software Engineering Project Proposal

Team: MissingOne

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**Abstract**

*Join Me* is an event management platform where event organizers can post some group events, such as hiking, cycling or even study activities, search for the target attendees for their events and gather the event attendees' personal information. From the aspect of attendees, they can search and register the events they are interested in.

**Background**

With the rapid living pace of the modern society, people are always struggling with their works, lives and many other issues, which make them have less time to broaden their social circle. Sometimes when you want to have some group activities with your friends but they happen to have some personal issues and not able to attend, it's really hard for you to find someone else who shares the same interests with you and is willing to join in. Under such situations, you have to abandon the idea.

**Goals**

Our goal is to build an event management platform, *Join Me*, helping to reduce the practical problems shown above. No matter whether users plan to attend an event or organize one, users can use our platform to post or register the events they are interested in. From the perspective of organizers, we hope *Join Me* will make them able to collect or arrange attendee's personal information and organize the events in a much easier way. From the perspective of attendees, given so many different kinds of events in different fields on the *Join Me*, we hope attendees can quickly find the events they are interested.

**Language, Platform and Tools**

**Language**:

Python (or Java if needed).

**Platform**:

The platform will be run in Windows. (Other OS will be used for development if needed.)

**External API usage**:

1. MailGun: "A powerful Transactional Email APIs that can send, receive, and track emails." [1] We will use this API to realize the group email function of our platform.

2. Mysqlclient: “Mysqlclient is an thread-compatible interface to the popular MySQL database server that provides the Python database API.”[2] We will use this API to do the data transmission.

3. To be decided.

**Data Store**:

For data storage, we will hold a relational database on Amazon Web Service’s Relational Database Service. This means that all our data will be storage in a server from AWS. The server has a storage space of 5GB. We can connect to the database using the “mysqlclient” python package.

**Product Logic**

Organizers:

- ➢ Register an account
- ➢ Sign in
- ➢ Create a new event
- ➢ Post the event
- ➢ Get the list of registered users and kick out attendees when needed
- ➢ Close the event when you find the attendees you want.
- ➢ Contact the attendees if needed.

Attendees:

- ➢ Register an account
- ➢ Sign in
- ➢ Type keywords in the search box
- ➢ Browse all events and register the one you like
- ➢ Unregister the event if needed

**Innovative Function Point**

Organizers:

- ➢ Group Email:

Update the events information or send emergency notices by sending the group emails to all the attendees.

- ➢ One-click Download:

Download the personal information of the attendees in form of the Excel file with just a single click.

- ➢ Online Check-in:

Help organizers to do the check-in work in a more convenient way.

➢ Others:
To be decided.

Attendees:

➢ Easy Register:
Register the event with just a single click. The register information will be automatically gathered from attendee's profile.

➢ Others:
To be decided.

**User Stories**

1. **As an** outdoor enthusiast, **I want** to invite my friends to go cycling in the Central Park on this weekend. However, all of my friends can't come because of some personal issues. In this case, I want to find someone else to cycle with me, **so that** I post my cycling route and schedule on *Join Me*.

   **My conditions of satisfaction** of this case are that:

- I want my events to be attractive, so that I should be able to post not only plain words but also pictures or even videos on the billboard.
- I want to inform all attendees in time rather than post public messages on the platform, the platform should allow me to send emails to all attendees when I want to send some notices or updated information.
- I hope I can connect with each attendee personally. In *Join Me*, I can download all attendees' personal information in form of Excel file.

2. **As a** normal user, **I want** to find some interesting activities on weekends and make some new friends. **So that**, I open *Join Me* and try to find some events by typing some keywords.

   **My conditions of satisfaction** of this case are that:

- I want to find the most related and popular events that match with my searching keywords.
- I want to check the profile of the organizer to have an overview of the host and connect with the host to get more detail information about the involving activity.
- I want to register in the event when I'm interested in it and unregister it when I am not interested in it anymore.

3. **As a** graduate student in Columbia, **I want** to find some other students who have registered in the same class as me to discuss some questions after class or the teammates for the group projects. **So that** I post my requirements on *Join Me*.

   **My conditions of satisfaction** of this case are that:

- I want to find the students who have registered in the same class as me. As a result, I need to communicate with each attendee after I get their personal information. And I hope I can kick off the attendees who are not matched with my demand.

**Reference**

[1] MailGun Official Website. Retrieved from: https://www.mailgun.com/
[2] Mysqlclient Official Website.
Retrieved from: https://github.com/PyMySQL/mysqlclient-python