



**Team weMeet: Teddy Clark, Michael Kokkatt,**

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**Summary:**

Have you ever tried to plan an event for a group of friends, but those plans ended up falling through due to everyone's different schedules and interests? We know that it can be very difficult to plan events and keep everyone in a group happy. It is so hard to find new friends who share the same interests as you and now with everyone at home due to the COVID-19, meeting new people has become nearly impossible.

weMeet lets people connect with friends and find new friends who share the same passions and interests as them. weMeet users have the ability to plan group activities, events, and hangouts through our user-friendly application.

Our competitors have social media-centric applications where people can meet and chat. We allow our users to make connections with people who share the same interests, as them as well as plan and host events. With features such as event scheduling, activity recommendations, and the ability to find friends our

application is far more comprehensive and ideal for people of all walks of life to use.

### **Problem Space:**

Planning events can be difficult: people have different schedules, want to do different activities, and often use a wide variety of platforms to organize the event. Sometimes you want to do a certain group activity, but you don't know anyone who shares the same interests as you. This can make it very hard to plan and engage in activities.

The COVID-19 pandemic has brought new challenges to planning and participating in group activities. People are at home, socially isolated from their communities during an extremely stressful and uncertain time. Being isolated from the rest of the world can cause people to feel completely disconnected. Limited social interaction can lead to anxiety, depression, and other mental health issues. To avoid this, it is more important than ever to foster connection and engage in activities with friends.

Scheduling activities that are interesting and fun can be a hard and stressful task. People want to hang out with their friends and make new connections. However, it is difficult to know where to start looking for friends who are willing to participate in activities and build connections with each other.

Our application, weMeet, helps groups plan activities in a fun and interactive manner, both deepening connections between friends and helping users find new people with similar interests and passions.

### **Our Solution:**

Our application allows users to connect with their friends and find new friends that share the same passions and interests as them. Users will be able to plan group activities, events, and hangouts. all through our application.

Upon opening the application, users are prompted to create a new event or join an existing event. The user who creates a new event will become the event owner. Using an event's unique ID, an event owner can invite other users to join its planning. If event owners wish, they can take a short survey and based on those answers, weMeet will recommend activities and supplies for the event. Event owners can then assign other users to certain activities or supplies, and users can also request that they be assigned to an item. Additionally, event owners can keep the event private (i.e., only accessible through the ID) or publish them publicly so that all app users can view and request to join the event. All of the details and features for each event (i.e., shopping list, activity list, date scheduling) are easily editable through our easily navigable interface.

If joining an event, the user can enter the ID to join a private event or browse public events. If they choose a public event, users will be prompted to fill out a short survey. Based on those answers, weMeet will show all upcoming public events that fit those interests. The user can then request to join a public event. Additionally, once approved by the event owner to join an event, users can request to be assigned to different activities or supplies.

### **Competitors:**

There are other event planning applications for both mobile and desktop devices. weMeet's specific focus on event organization, ID generation for events, and other features make it unique and stand out in the market of similar apps.

### Mobile Applications

[IRL - Do More Together. iOS:](#) IRL allows users to send and receive invites to events "in real life." Its key selling points center around its chat, community, and profile features, which make it more of a social network app versus being solely focused on event planning. Additionally, it is more targeted towards college students, with the ability to connect with students of a user's university.

Our application, weMeet, has the primary function of planning events. With our unique ID generated for each event, weMeet has the advantage of not requiring users to sign up for an account in order to use its features. This makes it extremely

convenient to plan one-off events. weMeet also is designed for any user interested in planning or joining group events, not just college students. Because weMeet is focused on event planning rather than a social network, it provides the key organizational features that help users to plan events while allowing users to have the flexibility of using whatever external chat/messaging platform they prefer.

**Twenty, iOS, Android:** Similar to IRL, Twenty's goal is to encourage users to get together with friends offline. It incorporates social media elements like being able to set a status and create an avatar, recommended friends, see a map of friends nearby, and a chat messaging feature. The app also contains some in-product online activities to do with friends.

weMeet allows for users to connect and get together both offline and online, which taps into the popularity of online activities especially with the COVID-19 pandemic. Additionally, our application has more specific event planning features (like shopping lists, suggested activities) due its focus on just event planning rather than social networking.

#### Desktop Applications:

Aventri: The main focus of Aventri is to promote events. This application helps manage resources, vendors, and also helps manage parties. Once their events are planned clients use Aventri to promote these events on social media.

Our application has a different focus. We target individuals, not large-scale organizations. We want our users to find friends and be able to share and plan experiences. weMeet will help plan events and make it easier to decide what activities and experiences groups can do together. Aventri focuses more on social media and how to advertise for events while our application will have a less social media focus and we will encourage our users to plan events to foster real life connections. Due to the times we are currently living in being virtual is inevitable but weMeet will help bring people closer together and feel less socially isolated.

### **Stakeholders:**

#### Direct users:

- People who are interested in doing group activities and participating in events can use our app to plan events or join group events.
- **Planners and hosts** who are **unsure what to organize for a group event** can use the suggestion feature to determine and plan activities and supplies for their event.
- **Clubs and organizations** (especially those related to schools, like RPI Union clubs) can use weMeet to plan events/outings and attract new members.

#### Indirect Stakeholders:

- **Retailers and grocery stores** like Amazon, Walmart, Party City, and Target can benefit from the shopping list feature, which will make it easier for users to buy items from their websites.
- **Developers** creating software that relates to any online activity will find the weMeet API to be especially useful in fostering a community around their application. Once the weMeet API is connected to a web app, it will seamlessly allow users to create an event or join one related to said web app. Additionally, developers or even business leaders of virtually any company that profits from people gathering to use their service can use the API to analyze trends in what people are interested in doing or buying.
- **Video conferencing platforms** like Zoom, Google Meet, and Webex. could see an increased number of users if we use APIs to include them directly within events or suggest their platforms for online events.
- **Online games** like Among Us, Codenames, Catan, and Skribble.io. could see an increased number of users if we mention them as suggested activities for online events.
- **Streaming services** such as Netflix, Disney+, and Hulu could also see potential increases in users if we suggest online watch parties and virtual movie nights.

- **Marketing intermediaries** could analyze data from our application to analyze trends and better target their audience. Additionally, for our business model, if this were a published application we could sell banner ad space on our app to earn revenue.
- **Publics** are any group that has an actual or potential interest in or impact on an organization's ability to achieve its objectives. Any of these organizations (e.g., financial, media, civic/government, citizen-action) could benefit from their members using our application to more smoothly organize group events.

### **Technologies:**

As per the requirements of this project, we will be using the MEAN (Mongo, Angular, Express, Apache, Node.js) stack. Node.js is the server side scripting language that we will use to connect to our Mongo database. Angular will comprise much of our frontend, and the site will be hosted on an Apache web server.

In addition to the MEAN stack, we are considering using the following technologies:

1. **Google Places / Autocomplete API:** This will allow us to integrate valuable insights such as reviews and how crowded a place is, which is especially valuable in a pandemic.



2. **Google Maps API:** We will utilize this to provide precise location details and this will assist users in searching for activities/places.
3. **api2cart (online shopping API):** This will enable users to shop for anything they need for an event directly from weMeet.
4. **Google Calendar:** We can use this API to provide users the functionality to add events planned through weMeet directly to their personal calendars.
5. **Google Meet API:** If users are having an event via Google Meet, a video conferencing platform, this API can provide valuable insights such as duration, and number of participants. This data can be useful for event hosts to track attendance and assist with planning future meetings.

## **Requirements:**

### Functional Requirements:

1. Users of weMeet must be able to create a new event.
2. Users must also be able to join an event.
3. Each event group should have the options to add to a shopping list, create an itinerary of activities and have all event details displayed for them.
4. Event owners should be able to send other users invites and have them be able to accept those invites as well.

5. Users should also be able to fill out an interest survey/select interests which will trigger weMeet to suggest different activities/supplies (if planning an event) or events to join (if joining an event).
6. Our users should be able to add events to their Google Calendars via weMeet.

Non-functional Requirements:

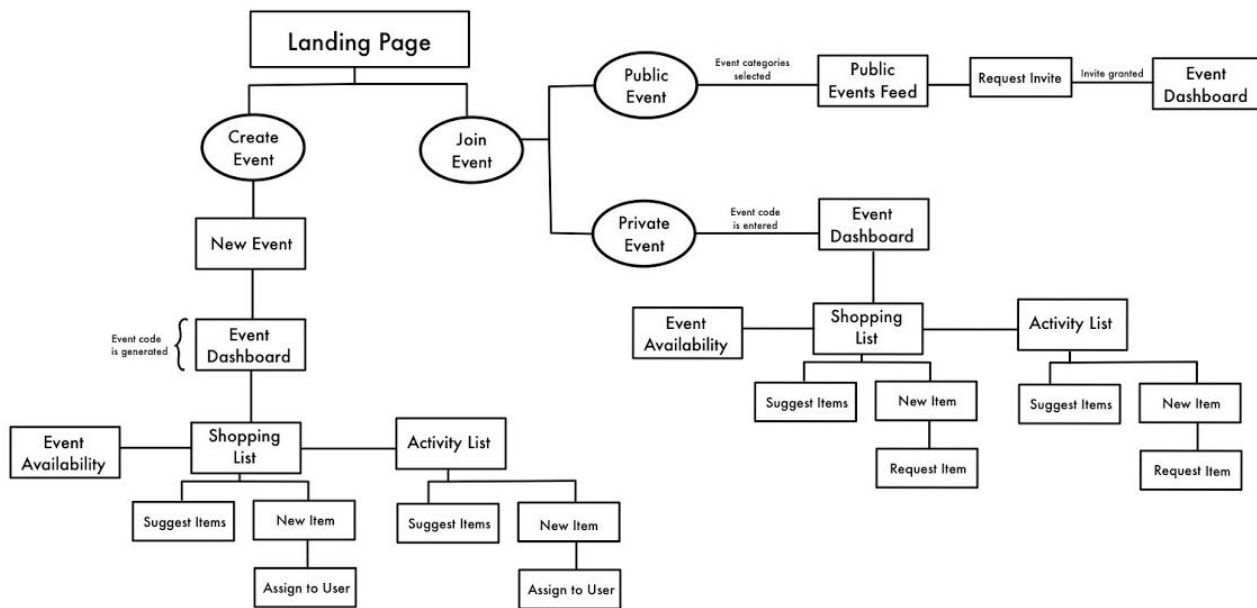
1. Private events should only be accessible by event ID.
2. Event owner is the only user to approve/finalize any changes to the event, including deleting the event.
3. The web app should be able to be displayed and have all its content fit on the screen size for both mobile and desktop devices.
4. Users must be able to make an event public or private.

## Project Schedule:

See [RACI chart](#).

		Roles	Teddy Clark	Michael Kokkatt	Anya Tralshawala	Rachel Wang
	Task/Deliverable	Due Date				
<b>Planning</b>						
	Proposal	2/8	R	R	R	R
	Wireframe (at least 2 screens	2/8	C	C	R	R
	Site Map	2/8	C	C	C	R
<b>Other</b>						
	Additional API research	3/1	R	R	C	C
	Refine wireframes	3/29	C	C	I	R
	Finalize design elements	4/23	R	R	R	R
<b>Front-End</b>						
	HTML/CSS	2/19	R	R	R	R
	Javascript	2/19	R	C	C	R
	Angular	3/12	R	R	C	R
	Final accessibility testing	4/20				R
<b>Backend</b>						
	Plan out database structure	3/19	R	R	C	C
	API Implementation	3/26	R	R	R	C
	Node.js	4/2	A	A	R	R
	Mongo Database	4/9	R	R	R	I
<b>Presentation and Reports</b>						
	Midterm Presentation done	3/9	R	R	R	R
	Practice midterm presentation	3/10	R	R	R	R
	Due date: deliver midterm presentation	3/12/2021	R	R	R	R
	Due date: Group Project Preview	4/16	R	R	R	R
	Final Presentation done	4/24/2021	R	R	R	R
	Practice final presentation	4/24	R	R	R	R
	Due date: deliver Final presentation	4/27 or 4/30	R	R	R	R
<i>Insert new rows above this one</i>						
R	Responsible	Assigned to complete the task or deliverable.				
A	Accountable	Has final decision-making authority and accountability for completion. Only 1 per task.				
C	Consulted	An advisor, stakeholder or subject matter expert who is consulted before a decision or action is taken.				
I	Informed	Must be informed after a decision or action is taken.				

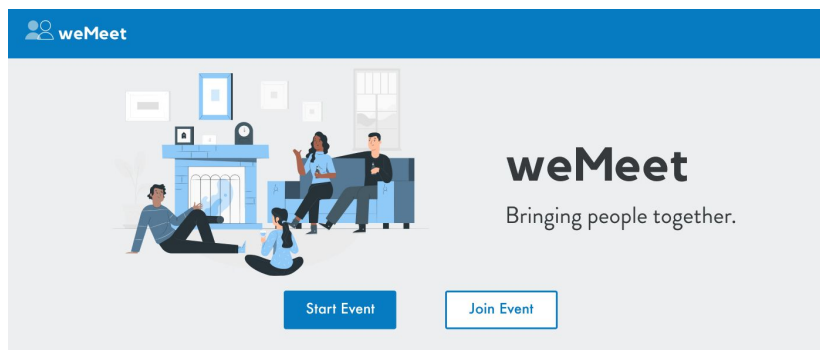
## Sitemap:



Wireframes: See [Figma Wireframe](#).

## Selected Screens

Landing Page (below), Create Event page (right)



### Feature #1

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### Feature #2

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