

# Stage 1: Team Formation and Idea Development

## Summary of MVP

TechMeet is a focused, event-driven networking platform tailored for techies. It provides a way to **discover events**, **book attendance**, and **make connections** that help drive careers forward. With strong feasibility due to code reuse and a real-world need for tech networking, TechMeet has the potential to impact job seekers, employers, and career changers alike.

## 0. Team Formation

Team Roles:

**Temporary Project Manager:** John

**Head of Communication:** Crystal

- In charge of scheduling/organising meetings + messaging the group

**Task Delegator/representative for complaints:** Mao & Won

- Allocate additional tasks to individuals
- Voice any issues/complaints of any members

**Head of design:** Dew

- In charge of the final design of the application
- Takes inputs from all members

Team Norms:

**Communication Tool:** Slack

**Project Management:** Trello: <https://trello.com/b/MlxgkGva/techmeet>

**Brainstorm / mind mapping:** Miro board: [https://miro.com/app/board/uXjVI7\\_1kzU=](https://miro.com/app/board/uXjVI7_1kzU=/)

## 1. Research and Brainstorming

Brainstorming Techniques Used:

- **Mind Mapping:** During our mind mapping session
  - We established models for the MVP version (user, event, connections, company)
  - We outlined the pages of the app (landing, auth, events, event details, dashboard, connections )
  - We outlined the similar properties we would use from our previous Hbnb app (JWT auth, identical models, facade pattern, Mysql, Flask backend)
- **SCAMPER:**

- *Substitute*: Replace generic event feeds with tech-specific content.
- *Combine*: Merge event booking with real-time connection building.
- *Adapt*: Create a gamified approach to networking (building connections).
- *Modify*: Modify model entities from our Hbnb project
- *Put to Another Use*: Reuse components from the Hbnb app.
- *Eliminate*: Strip out non-tech categories from Eventbrite / Meetup api usage
- *Reverse*:

### App Ideas:

Incident reporting app	<i>Pros</i>	<i>Cons</i>
Idea complexity	<i>Ideal can referenced from current available apps on the market (eg Snap Send Solve, VIC Emergency)</i>	<i>Involving various agencies ( police, council ) can be complex and time consuming thus affecting the project progress</i>
Data availability	<i>User generated data for lodging an incident report to the respective agency responsible for the event. API required like google map to pinpoint the location of the incident</i>	<i>User will be not aware if the request been processed or data might be withheld due to the security of some agencies (e g police, council )</i>
Real-world application/use case	<i>Reduce the need of the calling agencies for incident reporting and speed up the processing as the data send by the user will be used as documentation.</i>	N/A
Opportunities for continuous development	<i>Additional features will be integrated like user can use it to sign in during site visits and the app will alert the user if there are any incidents within the facility.</i>	N/A
Other	<i>Opportunity to be deployed and used in state or federal level</i>	N/A

Networking app (techmeet)	<i>Pros</i>	<i>Con</i>
Idea complexity	Similar models and architecture to our previous project, Hbnb, reducing development time and load.	<i>Remodelling the flask backend to suit the app use case could get a bit messy</i>
Data availability	Available APIs to pull real-time data (Eventbrite & Meetup)	<i>We'll have to adjust models to suit different data schemas pulled from multiple APIs</i>
Real-world application/use case	Real-life use case, fitting our needs for networking and landing a job in the tech space	N/A
Opportunities for continuous development	So many additional features can be added	N/A
Other	N/A	N/A

## **2. Idea Evaluation**

Evaluation Criteria:

- **Feasibility**

Leveraging our Hbnb project as a foundation (similar architecture and design), we anticipate efficient code reuse and a shorter development cycle.

- User model
- Place model (event model)

Challenges:

- Google Maps API integration
- Eventbrite API usage (Rapidapi) (fallback: manual data input)
- Rapid api  
eventbrite:[https://rapidapi.com/mahmudulhasandev/api/eventbrite-api3/playground/apiendpoint\\_1a84e117-7aa6-4195-aaa0-21c09de36ace](https://rapidapi.com/mahmudulhasandev/api/eventbrite-api3/playground/apiendpoint_1a84e117-7aa6-4195-aaa0-21c09de36ace)

- **Potential Impact**

- Supports tech industry newcomers
- Facilitates career growth via networking
- Encourages upskilling through event participation
- Helps businesses connect with talent
- Builds a dedicated tech networking community

- **Technical Alignment:** All tech stacks work well together, and we anticipate no issues

- **Backend:** Flask
- **Frontend:** React and static HTML
- **Auth:** JWT + Google OAuth + github auth (optional)
- **Database:** Mysql
- **Object Relational Mapper:** SQLAlchemy

- **Scalability:** Not immediately prioritised due to MVP scope.

Risks & Constraints:

- **Google Maps API integration difficulty**
- **External APIs (Eventbrite/Meetup) may fail or have rate limits**
  - *Resolution:* Use manual event data when needed
- **Event changes on short notice**
  - *Resolution:*
    - 24-hour pre-event re-fetch
    - 30-minute live refresh update

### **3. Decision and Refinement**

#### **Final MVP: TechMeet**

A networking and event booking application tailored for tech professionals.

#### **Problem It Solves:**

- Fragmented access to tech-specific events
- Lack of networking opportunities for career changers
- Minimal integration of event discovery with networking tools

#### **Target Audience:**

- Aspiring developers
- Career switchers
- Tech professionals and recruiters
- Startups seeking talent

#### **Key Features and Expected Outcomes:**

1. **User Authentication** (JWT & Google OAuth)
2. **Event Booking** capability
3. **Event Browsing** via manual input or external APIs
4. **Connection Creation** (save name, LinkedIn, number, company)
5. **Google Maps Integration** for event locations
6. **Optional Company Data** for context and searchability

#### **4. Develop a High-Level Plan**

**Due Date:** 14th July 2025

Meeting schedules:

**Monday / Tuesday:** Start of week meeting: 10:00 am

- What we did last week
- What we're doing this week

**Thursday:** End of week meeting: 10:00 am

- Catch up on where we're up to / any blockers

**Timeline:** 11 weeks

Split into 5 stages

**Week 0 / Stage 1:** Team formation and idea generation. Completed

**Deliverables:** Idea development documentation

**Week 1 / Stage 2:** Project Charter creation. In progress

**Deliverables:** Stage 2: Project Charter Development

Todo: Task 4 Develop a High-Level Plan

**Week 2/ Stage 3:** Technical documentation finalised. (Study HBNB technical documentation)

**Deliverables:**

**Week 3-6/Stage 4** (25th May): MVP Development.

**Week 7-11/Stage 5:** Final presentation and closure.

Week 12/ preparation for presentation

**Homework:** I'll input these onto the Trello board