

Meta University Eng Project Plan Template

Fill in blanks (enclosed by brackets []) and remove red text as you work through writing your project plan. Your project plan should be a living document and can be changed as you progress through the internship. Make sure to work on this document together with your manager to get feedback, as well as ensuring your project meets the requirements and expectations in the [Project Guide](#).

Event Finder

Intern: Cristobal Medina Meza

Intern Manager: Tori Yan

Intern Director: Emily Earl

Peer(s): Yicheng (Jerry) Gong , Yijia Liu , Shannon Chen

GitHub Repository Link: https://github.com/CristobalMe/Event_Finder

Overview

Event Finder is a web application that allows users to create, promote, and manage events.

- Category: Social Networking
- Story: An event social network would allow users and event managers to sign up, post events, comment on events, follow events nearby, and see events information.
- Market: Individuals from ages 20-39, who are “event enthusiasts” and independent or corporate event managers.
- Habit: Once a week, to catch up on the next weekend's events.
- Scope: Content related to events, including but not limited to: Date of the event, location, number of attendees, photos of the venue and a short description of the event.

Product Spec

User Roles

Attendee: "A user who is looking for events to attend"

Event manager: "A user who wants/is hosting an event"

User Stories Attendee

Required

1. I want to be able to login to be able to keep track of my favorite events.
2. I want to filter different events by category, so I can find events that interest me.
3. I want to be able to view each event in detail, so I can learn more about my favorite events.
4. I want to be able to create an account to be able to keep track of my favorite events.
5. I want to be able to register for events, so I can attend them.
6. I want to leave feedback after attending an event, so I can share my experience.
7. I want to be able to see events that are nearby or that are close to happen, to make the most of my time.

Optional

1. I want to be able to receive recommendations on events based on my preferences, so I can spend less time searching and more having fun.
2. I want to be able to add friends, so I can attend events that my friends are interested in.
3. I want to be able to see a map with events nearby, so I can find events that interest me.
4. I want my passwords to be encrypted in the web app database for security.

User Stories Event manager

Required

1. I want to delete events, so I can remove them if they get canceled.
2. I want to edit events, so I can update information if needed.
3. I want to keep track of the number of attendees, so I can keep track of my event metrics

Optional

1. I want to promote my event, so I can reach more people.

Screen Archetypes

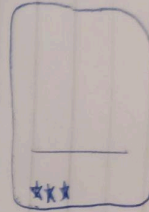
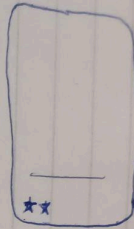
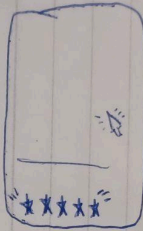
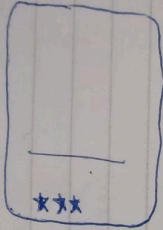
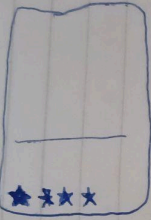
Logo

Search

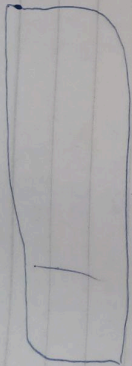
Login

Sign Up

This weekend



Just for you







User



My favorites



Attending

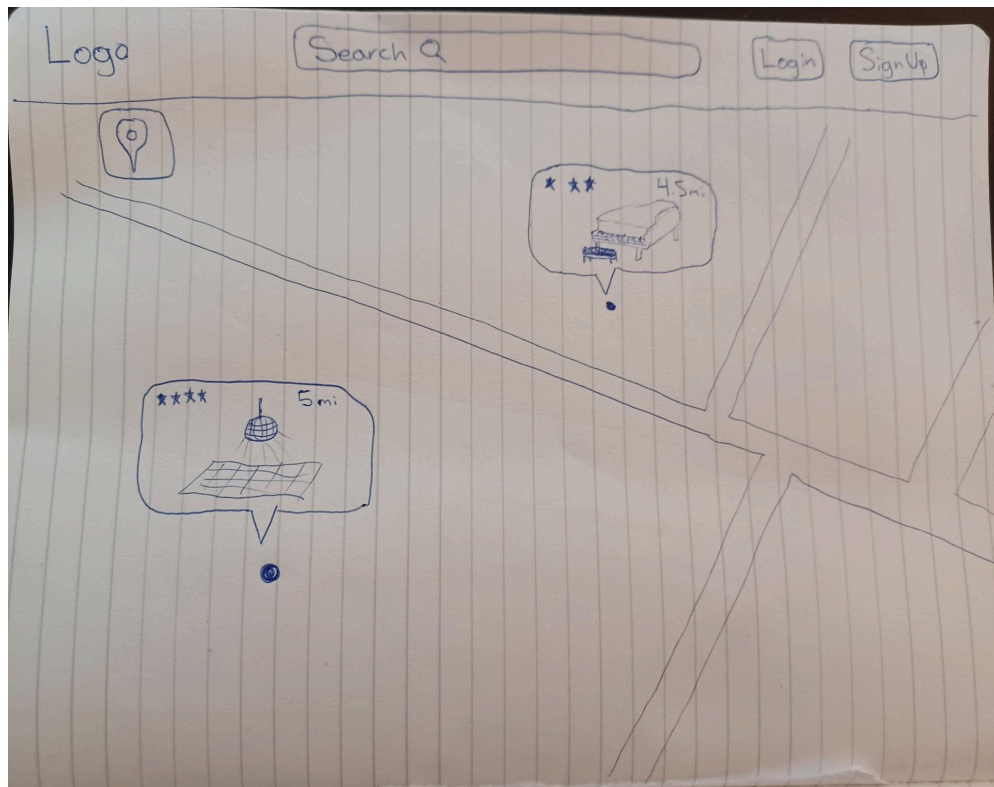


Nearby



For You

Landing
Page



Data Model

User:

column name	type	description
id	integer	Primary key
userName	string	User name
selectedLocation	string	Selected latitude and longitude of a user

password	string	Password for the user
profilePic	img	Profile picture for the user
attending	Array of ints	An array of the id's of the events that the user is attending
events	List of ints	An array of the id's of the events that the user manages
birthdate	DateTime	Birth date of the user
preferredCategories	List of strings	A list of the preferred categories of a user
sex	String	Sex of the user
friends	List of users	List of friends

Reviews:

column name	type	description
id	integer	Primary key
userId	integer	User id
eventId	integer	Id for the event that's being reviewed

review	String	Text of the review
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Event:

column name	type	description
id	integer	Primary key
rating	float	Medium rating
location	string	Latitude and longitude of an event
name	string	Name of the event
duration	float	Duration in hrs
description	string	Description of the event
image	img	Image of the event
category	string	Category of the event

Attendance (Indexed)

column name	type	description
id	integer	Primary key
idEvent	integer	Primary key (same id as event)
userAttending	String	Username of the person attending

Server Endpoints

HTTP Verb	Name	Description	User stories
GET	events	Get popular events	3
GET	credentials	Retrieves credentials	1
GET	eventsNear	Get events near the user	7
GET	eventsByCategory	Get events by category	2
POST	user	Create user data	4

POST	userEvents	Add an event to the users attending list	5
DELETE	userEvents	delete an event from the users attending list	5
GET	userEvents	Get users attending list	5
POST	userReview	Post a review of an event	6
PUT	userReview	Modify a review of an event	6
DELETE	userReview	Delete a review of an event	6
GET	userReview	Get a user review of an event	6
DELETE	managerEvent	Delete an event	8
PUT	managerEvent	Edit an event	9
GET	attendeesList	Get attendees list for an event	10
POST	attendeesList	Post attendees list for an event (If provided by the event manager, else it's created by the first attendee that registers)	10

PUT	attendeesList	Modify attendees list for an event	10
DELETE	attendeesList	Delete attendees list for an event	10
POST	selectedLocation	New location for the user. (Only new accounts)	7
GET	selectedLocation	Get location	7
PUT	selectedLocation	Modify location	7
GET	selectedLocation	Gets location	7
PUT	friends	Modify a user list of friends	OPT: 2
GET	friends	Gets a user list of friends	OPT: 2
PUT	profilePic	Modifies a user profile picture	4
GET	profilePic	Gets a user profile picture	4
DELETE	profilePic	Deletes a user profile picture	4
PUT	birthdate	Modifies a user birthdate	4

GET	birthdate	Gets a user birthdate	4
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Navigation

Project Requirements

[Based on the [Project Guide](#), describe how your project is going to be fulfilling each of the base project requirements.]

Technical Challenges

For your project, you should demonstrate that you can apply what you've learned so far and expand on that knowledge to write code and implement features that go beyond the scope of the projects you worked on during CodePath.

Based on the general idea and direction of your project requirements, your intern manager will create at least two (2) Technical Challenges for you. This section is all about explaining what they are and how you're planning to tackle them - you'll work together with your manager to fill it out.

Technical Challenge #1 - [Name/Small Description]

What

What problem are you solving, and what parts go beyond what you learned in CodePath?

How

Explain in words how you'll solve this problem.

You're encouraged to expand on this section with pseudo-code, links to external frameworks, architecture / design diagrams, anything that you can use to explain this to others!

Technical Challenge #2

What

How

Database Integration

[Describe what you are using for database storage. For example, Parse, MongoDB, Sequelize, etc.]

External APIs

[Describe at least one external API you're using for your project. For example, Google Maps, Spoonacular, OpenWeather, etc.]

Authentication

[Describe how user authentication is handled for your project, including logging in and signing up. Also describe any kind of cookie / session management you're doing and how you're implementing it, and how this affects navigation between different screens by the same user.]

Visuals and Interactions

[Provide details on how your app is fulfilling the following UI craft requirements, and how these are technically accomplished.]

- Interesting Cursor Interaction
- UI Component with Custom Visual Styling
- Loading State

Timeline

Project execution will start in Week 4 of MU. Based on the previously defined requirements, user stories and technical challenges, use the following table to scope out and plan a timeline for deliverables over Week 4 - 9. You can be as detailed as you need, ranging from simply mentioning the user stories, or dividing them into sub-tasks.

You are free to modify the table, add / remove rows or columns, whatever fits your style! The important thing here is that you focus and prioritize certain aspects of your project so you don't get behind and are ready to deliver the MVP - remember your required features should be code complete before the end of Week 8, including both technical challenges!

We also encourage you to leverage project tracking tools such as GitHub Issues or Meta's internal Tasks / GSD tooling to keep manage individual units of work.

MU Week	Project Week	Focus	User Stories
4	1	Focus on the components that will serve as the skeleton of your project. You will probably be using most of what you learned in CodePath to set up things like the client and server repositories, initial routing, login / registration, creating a database with object models, etc.	Example: <ul style="list-style-type: none">- User can login- User can create an account- [Optional] User passwords are encrypted in the database for security
5	2	Week 5 and 6 should be where you focus on the specific requirements of your project.	Example: <ul style="list-style-type: none">- User can create / edit / delete posts- User can chat with other users in real-time (e.g. technical challenge)
6	3	By this point, you should be getting started with your technical challenges as well.	
7	4	You should focus on finishing your MVP and core requirements. By this point, you should be done with at least one of your technical challenges.	
8	5	Continue work on finishing touches and stretch goals for your MVP. By this point, your core functionality and both TAPs should all be in place. It is also a good point to start working on stretch goals that could further expand on the functionality	

		<p>(and technical complexity) of your project.</p> <p>This week you also have to submit your self-review, make sure you allocate enough time for this alongside your final submission for your project!</p>	
9	6	<p>It's time to show others what you have built! Work on a presentation and demo that you will present to other interns to showcase your work. You are also free to continue polishing and expanding on your project!</p>	
10	7	<p>For this week, we have a bunch of extra activities prepared to give you a quick dive of what it is to work at Meta. You will find activities around using internal tools and frameworks, and even committing code to our internal repositories.</p>	