



# INTERNAL HACKATHON

WEB DEV + UX/UI

Because together we are stronger

**Duration:** 7h

Each team will have at least one-two UX/UI Designers and two Web Developers. The goal is to define the project idea for a particular situation and design it. In the end, each team will present their work in 5 minutes or less.

**Let's have fun and learn as much as possible from each other!**

## Agenda:

A. For the first **40 minutes**, the designers and the developers will discuss what app they are going to develop by answering these questions.

- Who is the client?
- What is the problem that they are trying to solve?
- Who are the target users?
- What are the goals you want to accomplish with this design?
- Some other \*\*\*\*\*stuff\*\*\*\*\*

1. Explain the Design Thinking Process:

- a. Empathize
- b. Define
- c. Ideate
- d. Prototype
- e. Test

2. Explain the process of creating a landing page and the different sections the app will have from a designer perspective.

B. In the next **20 minutes**, Designers will make a low fidelity sketch of the project on a piece of paper. Then they'll speed test the sketch, make changes if necessary, explain their approach and why they made changes to the original. Developers have to express their opinion too (as in how doable are the changes made on the design). *Keep always in mind that neither developers nor designers are the users or the customer.*

C. For the next **60 minutes**, designers will work on a mid-fidelity prototype, meanwhile developers would start researching APIs, NPMs and/or CSS Frameworks (such as Material Design, Bulma or Bootstrap) to complement the first iteration of the user journey. Although, APIs complement Apps in a greater way and add an incredible amount of functionality and data for our Apps, at this point, it's not mandatory to include them in this project, but it doesn't hurt for Web Developers and Designers to learn about them and try to include one or some of them in this project.

D. For the next **60 minutes**, designers will build a Guide Style and developers will start creating the views the team proposed.

F. The next **150 minutes**, developers will apply colors and styles from the high fidelity prototype and the designer keeps an eye on the process. In this step, the developers

will explain to the designer their approach and their code. Developers will have to try and finish the full app views and flux. Additionally, designers would start complementing the texts, information and call-to-action text.

G. During the last phase, it's important that designers and developers to work together and continuously test the application, functionality and flow, hence at the end, the product would be a strong, stable application under a collaboration process.

H. Presentations: You will have **30 minutes** to prepare as a group what to present to the judges taking into consideration the process you developed in the last 6 hours. You can show the page you created and talk about it, or create slides for the presentation. Each group will have 5 minutes to talk about their work.

## Topic for this Hackathon:

# NATURAL DISASTER ATTENTION AND/OR RESPONSE.

### Suggested API's to investigate:

Google MAPS API: <https://cloud.google.com/maps-platform/>

Weather APIs: <https://rapidapi.com/collection/top-weather-apis>

Other APIs and collections: <https://rapidapi.com>

UN ReliefWeb API: <https://reliefweb.int/help/api>

ProgrammableWeb Emergency API collection (2019):

<https://www.programmableweb.com/category/emergency/api>

US Federal Emergency Management Agency APIs: <https://www.fema.gov/data-feeds>

Mexican Government Open Data Initiative: <https://datos.gob.mx/desarrolladores>

### Inspiration:

World Bank collection of innovative apps to face natural disasters:

<https://www.bancomundial.org/es/news/feature/2014/06/30/innovative-apps-for-disaster-risk-reduction-win-global-attention>

IBM Call for Code initiative: <https://callforcode.org>

## HERE ARE THE TEAMS :D

Pick a name for your team!

Team Number	Team Name	Designers		Developers	
1	El equipo safe	Alejandra	Jessica	David	Tamy
2				Matthew	Carlos
3	Los pinches leperos y Cecy	Isai	Ceci	Memo	Marcos
4	Los vatos locos	Violeta	Jose Luis	JC	Yerim
5	Los no	Diego	Emmanuel	Horacio	Martha
6	JP Power	Cuauhtemoc	x	Luis	Arturo

# GOOD LUCK!