OVERVIEW

OUR MISSION: to help the Tijuana Red Cross make the best use of its capabilities and resources in prehospital emergency medical care to Tijuana's community.

OUR CLIENT: the Red Cross in Tijuana, which looks to offer relief to disaster victims, to help people prevent emergencies, to prepare to face and respond to them.

Dispatcher Web App

- Interface for dispatchers to assign ambulances to patients
- Dispatchers provides location coordinates to ambulance
- Visual representations of all ambulances and hospitals on a real-time map
- History records for ambulance routines and call information

ACCOMPLISHMENTS SO FAR:
- Implemented a call class that allows dispatchers to input incoming call information and prepares the information for publication to the server.
- Published the call information to the server, so app can visualize the latest information of the call.
- Implemented a function that updates the call status according to the app message sent by ambulance client.
- Implemented a web page that allows users to access all the history call information.

Ambulance Mobile App

- Tracks the location and status of the Red Cross ambulances.
- Automatically updates ambulance status using Geofencing and GPS.
- Notifies ambulance drivers of incoming dispatch calls.
- Includes improved documentation to help future developers.

Hospital Mobile App

- Updates status of available hospital equipment.
- Information is relayed to ambulance drivers.

Future Goals

- Continue to improve the interface of the products to be intuitive to use based on user needs, motivations, and goals.
- Conduct multiple tests in the products to identify different areas of improvement.

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