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**Client:** FortisBC, Amir Kbah

**Iteration 1**

This project will be used by FortisBC clients to report gas leaks or other accidents to the gas company.

We will create a login page that has two options: for users and non-users. Users’ data will be retrieved from the FortisBC’s database while non-users will have to write all their data for the FortisBC emergency group to know.

There will be 2 sets of questions when filling the form: meter hazard and appliance hazard. After answering all the questions, the user will be sent to the final page that has an “additional information” text box and a submit button.

Iteration 1:

In this iteration, we held group meetings with our client on Mondays, where we discussed the workflow and tasks for the week.

We created a landing page for non-users to enter their information and move to the form filling.

On the form page users can see personal information they provided such as name, last name, phone number, and address. The form also includes a series of questions related to the type of emergency and the nature of the problem.

The page has a progress bar to indicate the completion status of the form. It features a user-friendly interface with a logo displayed at the top. The questions are organized into different sections based on the type of emergency, such as fire department/first response or general public, and the type of building involved, such as public use or residential/private use.

We also implemented a decision tree for the answers. As users select their answers, additional questions relevant to their choices may appear or disappear. For example, if the user indicates a meter hazard as the nature of the emergency, a set of questions related to the meter will be displayed. Similarly, if an appliance-related emergency is selected, specific questions about the appliance will be shown.

The page aims to gather essential information from users to help emergency responders better understand and address the situation. It uses a simple and intuitive design, making it easy for users to provide the necessary details in case of an emergency.

We are also adding a progress bar on the page with questions for the person to know how many unanswered questions there are and to minimize panic.

Iteration2:

* Optimization and debugging of the first iteration
* Users’ logic implementation
* Editing information in the form
* The same set of questions for non-users
* Encrypt customer answers to code numbers in order to make them small and informative
* Pop-up box where we will give customers advises based on combination of answers they provided

Iteration3:

* Internal Database
* Send emails to designated teams based on encryption of answers.
* Implement Google and Facebook login options
* Security improvement
* Debugging and optimization
* Design improvements

To see user interface mockup check mockup.png in this folder.