REFUGEE HUB

Technical Report

Prepared for:

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By:

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Acknowledgement

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Abstract

This is the technical report for RefugeeHub web application, created by Aaron Maharjan, Olufemi Olusina, Ninh Hoang Gia, Cade Coughlin, and Nick Tooley.

See Reference for link to website.

Introduction

There was a lack of communication between refugees, organisations, and individual helpers. The process of settling was hard to coordinate.

Therefore, the purpose of this web application was to fix these problems by creating a centralized HUB of information that was also usable for communication between refugees, organisations, and individual helpers.

Specifications

The application needs to be easily accessed because some of the users(refugees) have limited access.

So, the specification of this Web Application needed it to be accessible on several platforms such as mobile, tablets, and desktops.

The application also needs to be accessible in many languages.

Design and implementation

For the design of the webpage we first attended to the fact that there three types of users, so we made pages for each of them (refugee, organisation, and volunteer).

The default page is a homepage, and all the specific pages and the homepage are connected.

We thought the hardest parts of this application would be language feature, forum feature and map feature.

Technical details

The technologies used to communicate and store the web application were Trello (task managing), Slack (communication), Git (for version control) and Kate (for hosting and testing the application)

The technologies we used in the web application:

Google translates was the first technology implemented, we then implemented google maps and extended on google maps by adding markers.

The final technologies we added were the live chat and forum features.

Google maps had the most problems as it was hard position onto the page and having it load appropriately for our region (Dunedin).

The database was created using MySQL, but we ran out of time before implementing this into the project.

Group Reflection (Conclusion)

Storming and Norming of the group was slow and took longer than we hoped for, so our project kicked off as a full group later a few weeks after project assignment.

Looking back, the harder parts to implement were sourcing information itself and the database to back this up, the forum also is not as intended (doesn't store chat information or user details), and the easier technologies to implement were google translator, google maps, chat, and temporary forum.

In the end there are a few changes from the design specifications however most of the specifications were met and the site is functional but not completed.

References

http://kate.ict.op.ac.nz/~se17group3/RefHubFinal/Home.php