

Rescuers of the World

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Introduction

For our IOC project we came up with the idea of developing an online system that can assist individuals in finding missing people, animals or objects by providing specific tools in order to efficiently distribute the effort among all the volunteers or stakeholders.

Description

The system is divided into three main abstract areas dedicated to incidents involving persons, pets and objects. For each area we provide two access points, one for easy reaching to the list of current missions and another one for rapid case reporting. Each mission has a brief description, an open list of volunteers, pictures and a map. This map represents the search area and it's divided in regions by an overlaid grid. The grid is interactive and allows volunteers to mark areas as visited and give an insight to the progress of the search effort.

Goals

In order to make the project manageable given the timeframe available we settle for implementing these main goals:

- Minimalistic tablet friendly interface;
- Basic security system;
- Limited filtering system;
- Basic location awareness and tracking.

Technical Approach

We developed the platform using Java for the business logic deployed on an Apache Tomcat server.

For persistence we use a MySQL database instance.

Regarding the client interface, it is written in HTML generated from JSP templates by the server.

All of the above components reside on a EC2 instance provided by Amazon.

We used Eclipse and MySQL Workbench as our IDE's.