.NET CODECAMP 2011

Trust'NGO

What's happening in our world?

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"Next destination --> NEW YORK!!!!!!"

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PROBLEM STATEMENT

"NGO - is a public entity, with different purposes and humanitarian and social goals ..."

Amnesty International, Greenpeace, Oxfam ... if we ask people about the meaning of these names probably 99% of them will answer that they are names of NGOs but, what if we ask for AASARA, AMERSUR or VOLAG?

Nowadays there are many NGOs that are engaged to act for different countries. However, it is obvious that a person can't know them all and what things they do or in what countries they operate, and would be impossible to go looking for names and contact information one by one. In addition many of these organizations do not provide all the information that people expect to see: what they do, how they spend the money, in which countries they act ... these are basic things that should be available to any person upon request.

Sometimes we see news about fraudulent NGOs that use the money of the contributors and donations to other matters and not for those that they were really assigned. This creates distrust in people and often people get deaminated when help or make donations.

We live in a time when people are really aware about helping those who are most needed, about collaborating with the world. When there are news about ecological disasters, epidemics, starving children, homeless people ... many people really want to help but they don't know how.

VISION

We know that people are interested in collaborating and contributing their bit, so with our project Trust'NGO what we want is to give people a space where they can find information about different NGOs, see where they work and how they work interactively, locate different types of disasters that take place in the world and provide the means to help in one way or another.

Our idea is to give support to NGOs to be able to manage their information by themselves and become better known. Report in which countries they operate, what they do, where or how they invest the money, how to collaborate with them ... these are key elements in generating trust in society, and what a better way than centralizing all information in one place in order to be displayed in an interactive and user-friendly.

MILLENNIUM GOALS

The main objective of this application is ending hunger and poverty; as it offers a way to improve the way donations are made. Nevertheless, we can consider that as humanitarian aid can be of a wide range, and so do NGOs, other goals are achieving primary education for everyone, reducing mortality, reducing child mortality, improving maternal health and combating widespread disease.

SOFTWARE DESCRIPTION

OVERVIEW

Trust'NGO is implemented as a web application. To access the application, the user use a web browser to access the server. In this server, ASP code is executed, resulting in a web page returned to the client. In the server there is also a database that provides DBMS services for the application executed in the server.

TOOLS AND TECHNOLOGIES

For the project, the main tool being used is Microsoft Visual Studio 2010 Professional Edition. Web services are implemented using ASP.NET technologies. The database uses MS SQL technologies for data management. To link the database with our main application we use LINQ to SQL query language. To implement the dynamic map, we are using Microsoft Silverlight technologies, along with Bing Maps IDE. To get the data from the database for the Silverlight map application, we are using Windows Communication Foundation technologies to define the service.

USERS

There are three main users for our Trust'NGO application: Administrator, Citizens and NGOs. An NGO can register in the application, but the registration must be verified by an administrator to prevent fake organizations to register in Trust'NGO. The citizens don't need to register in the application.

FUNCTIONALITIES

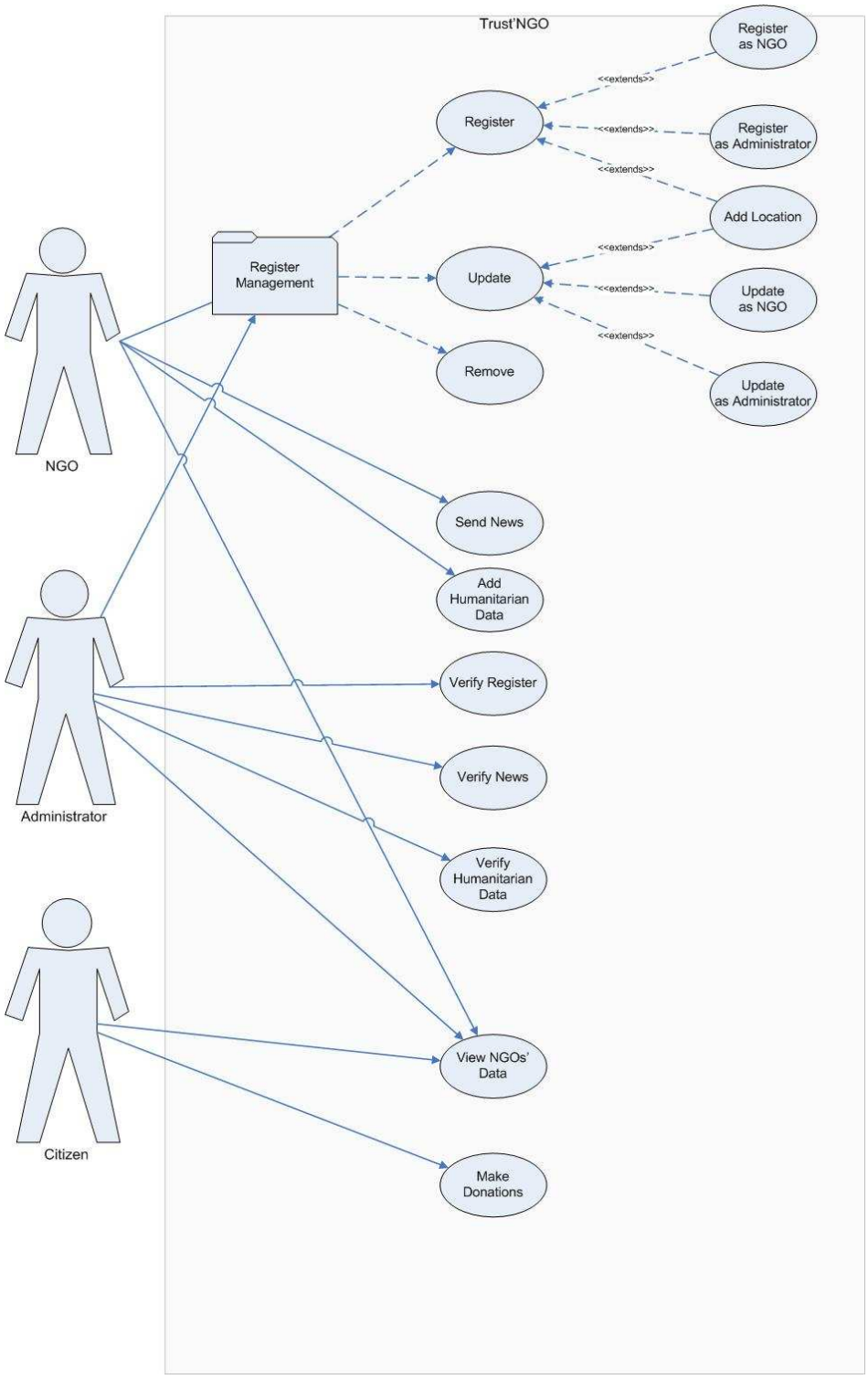
- NGOs will be able to register in the system, including varied information (e.g. name, foundation date, number of members…). Depending on admin's approval, all information can be updated.
- Information about humanitarian aid will be submitted by NGOs, and published after administrator approval.

- The main page of the web application will be dominated by a map were information about disasters, humanitarian aid shipments and news are displayed.
- Statistics concerning NGOs activities will be published.
- Users will be able to access to NGOs bank accounts so they will be able to made donations for a specific disaster or NGO.
- Any NGOs news will be published prior administrators moderation.
- Administrators will have access to a complete set of tools in order to review all the information and approve it for publishing after verification.

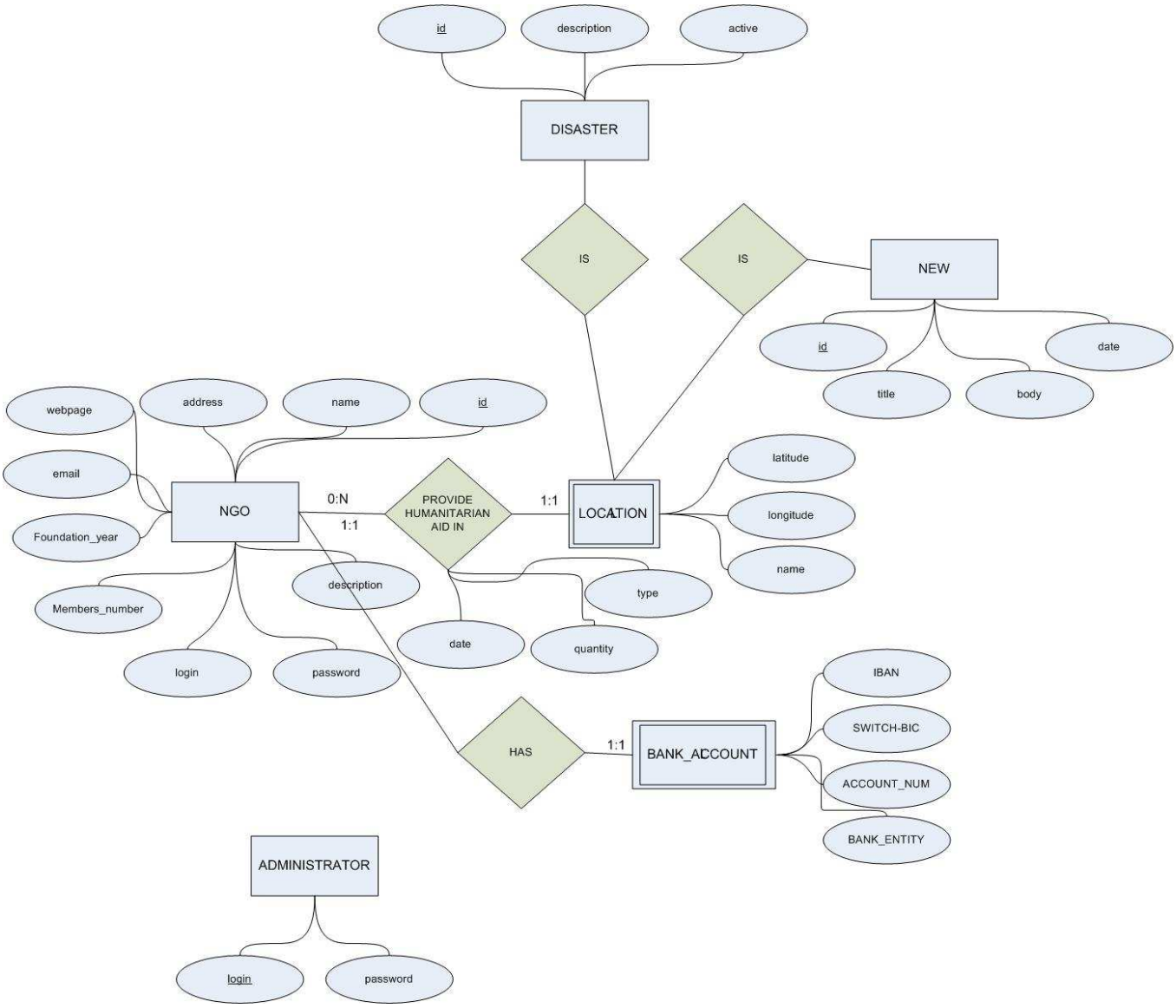
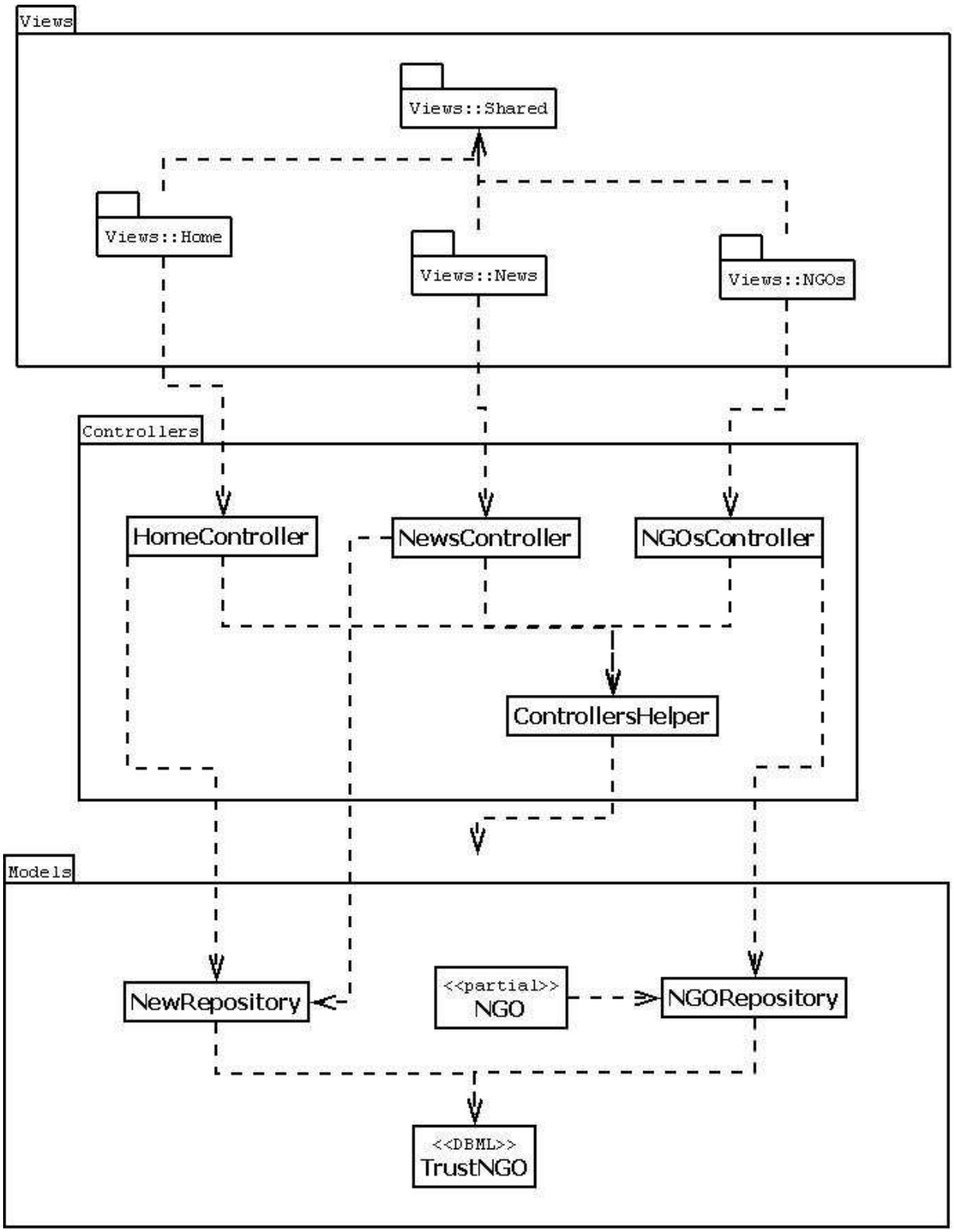
USER INTERFACE

DOCUMENTATION DIAGRAMS

USE CASE MODEL



ENTITY-RELATIONSHIP DIAGRAM



COMPONENT DIAGRAM