LOST & FOUND
Proposal

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Introduction

Our team is pleased to submit a proposal for the system of LOST & FOUND. This proposal describes the technology, services, terms, and schedule for the project.

About Us

We have a clear understanding of the system requirements, and we have the knowledge, skills and experience to successfully complete the project.
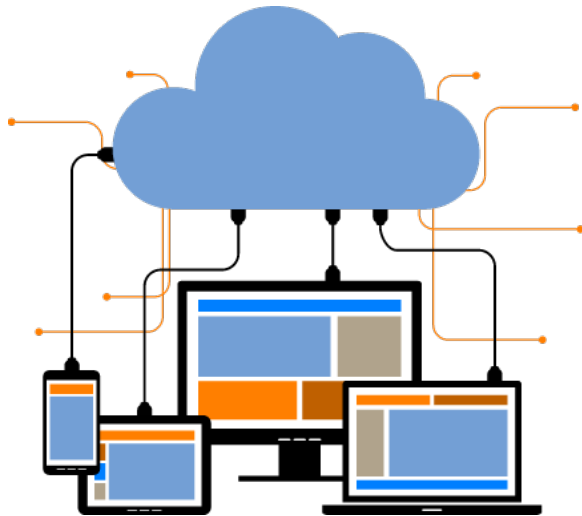
Our Team

Merna Shaker / Software developer
Eslam Khoga / Software developer
Mohamed El-Alem / Software developer
khadija Ahmed / User Interface Designer

System components

Web Application

Mobile Application

Web Site

The Problem

The problem is divided into two categories { people, others }

- People

In our country a major problem regarding security is missing people whether it's a kidnap

incident or just lost their way specially kids and about the people whom were found by

others either lost or with panhandler. We try to tackle this problem by providing the necessary means to connect those people together so we can reduce these incidents.

- Others { including pets }

How many times you lost a holding and never found it?

How many times you tried to buy used items and couldn't verify it?

How many times you found an item and couldn't find its owner?

The problem as listed above is about unidentified items, we try to connect people together in order to the rightful owners to retrieve their items.

Proposed Solution

We intend to solve this problem by providing a system connected to website and mobile app that uses this system as a service.

We'll try to connect people from all over the country.

Our goal is to create a system that will enable users to post about their missing family and search for best matches through specified techniques using image processing and machine learning techniques such as deep learning.

Also for lost items we'll need techniques to match description of lost items and connect both sides securely.
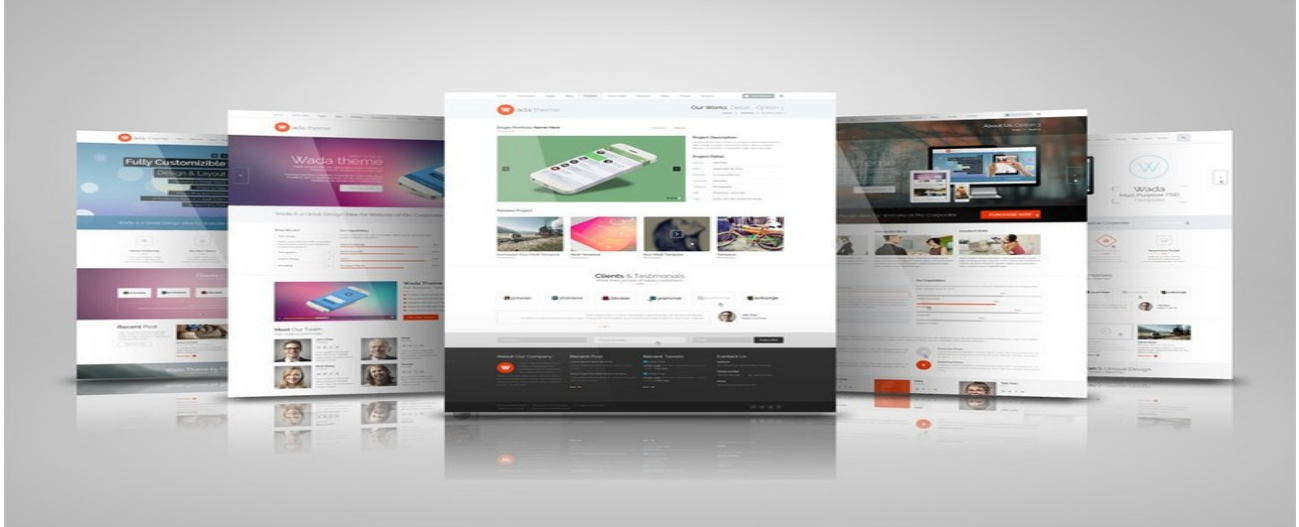
Beneficiaries

We target everyone who lost someone or something also everyone who found someone or something and wishes it to return to its rightful owner.

Also we'll help the official organizations to ease their work with extra productivity.

Uniqueness

1. ***What others have done*** **about the problem.**
2. ***Comparison between our solution and other solutions.***
3. ***Our competitive advantage.***

Other Solutions

Facebook groups and pages, some mobile app

Comparison & Competitive advantages

- System will be centralized and managed, project is of 3 parts connected together, first is project core service and second is website and third is the mobile app, connected together on the system.
- our system will consider lost people, pets and items.
- our system will be organized and categorized in easy to use way.
- There will be co-operation between our system and governmental sides we will provide them with specified dashboards to manage their parts of the system.
- We will provide statistics to whom it may concern
- Every thing will be securely managed specially connections between all sides.
- All users will be verified to avoid fraud and fake things.

Services

– For Normal Users

- System will provide two sections one for people, other for pets and items.
- User can browse contents by categories or locations.
- User can search for people, pets or items by image or description.
- User can register to the system and verified by verification methods.
- Registered verified users can post about missing/lost or stolen people or pets / items.
- Registered verified users can post about found people, pets or items.
- The system will provide secure surveillance communication channel.

– For Admin Users:

- There will be dashboard to control the system.
- There will be dashboard for the postal office admin to manage their part.
- There will be dashboard for the ministry of interior affairs admin to manage their part.
- There will be dashboard for the Veterinary Quarantine admin to manage their part.
- The system will provide statistics to whom it may concern.

Technologies

– For the design:

- Photoshop cc
- Illustrator cc
- HTML
- CSS
- SASS
- Java script
- JQuery
- Angular-JS

– For the system & the website:

1- for the web Application

- Programming languages: PHP [Laravel] / Python[Django] / Ruby[Rails] / NodeJS [Express]
- Deep learning
- Image processing
- Database: mySQL / mongoDB
- Microsoft face API
- Verification via SMS

2- for the mobile Application

- Cross platform application technologies [phoneGap / Ionic]
- SQLite

Resources Needed

- Microsoft Face API Pro.

- Dedicated Cloud Server.

- Domain and Hosting.