**Missing Persons Website - Project Initiation Document**

Development Project Name: ‘RUOK?’

**Team: ‘Delta 2’**

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**Project Concept:**

The concept behind this proposal is to design, develop, test and deploy a website that allows users to register onto the site, then via a secure and persistent ‘logged in’ state, add and display details of a missing persons. The site will both allow the user to create a missing person’s enquiry and/or search (using a simple part name search) and review existing enquiries. The missing person document will allow some method of establishing contact between the parties.

**Problems Solved:**

Team Delta 2 have chosen to undertake this project because there is an ever growing number of homeless, runaway and sadly disappearing persons in Britain. Further, when you factor in the current refugee crisis happing in other parts of Europe, we are falling ever faster into a humanitarian crisis.

Team Delta 2 cannot stand idly by and feel that they are in a privileged position to provide in a small yet important way, help in this matter.

Therefore, this website seeks to provide a way in which missing persons can be advertised, found, or at least, allow the missing person to make parties aware that they are safe.

**Features / User Experience:**

**Basic:**

* **State driven Navigation Bar (logo, login and user profile feature access).**
* **Register, Login and Logout users. Persistent login (JWT).**
* **Update and delete a user profile.**
* **Create and update a missing person enquiry.**
* **Ability to link to photo image url of the missing person or display a ‘no image placement card’ when no photo provided.**
* **A ‘My Missing person’ function (though this is likely to hopefully be no more than 1 enquiry).**
* **Make the record public or privately visible.**
* **Ability to search missing persons by name or part name and/or other filters (tbd).**
* **Provide a method by which the user can be contacted.**

**Stretch:**

* **Advanced searching**
* **Report a sighting/ basic messaging**
* **Privacy function /Friends list/ (**
* **Dark Mode**
* **Tool Tips**
* **Send anonymous SMS messages to user (Twilio package)**
* **Send email to user (emailJS)**
* **Use of Anime.JS or other animation tools**

**Technical Stack:**

The final technical stack is to be confirmed, however the following is anticipated:

**Front end:**

* **React.JS**
* **React Router Dom (version 6)**
* **CSS**
* **JWT**
* **Hosting on Netlify**
* **Twilio\* (stretch goal)**
* **EmailJS\* (stretch goal)**

**Back end:**

* **Node.JS**
* **Express.JS**
* **Cors**
* **BCryptJS**
* **JWT**
* **MongoDB / Mongoose**
* **Email-validator**
* **Hosting on Heroku**

**Database:**

It is anticipated that there would be 2 database models:

1. **User Model**

The user model would hold the following attributes:

Username

Email address

Password (hashed)

1. **Missing Person Model**

The missing person model would hold the following attributes:

User ID

Enquiry Creation Date

Loved One Outreach Message

Missing Person Name

Picture URL

Missing Since

Missing From (Location)

Current Age (derived from DOB?)

Age at Disappearance

Person description

\*Further fields required by stretch goals (TBC)

**Architecture:**

MongoDB

Documents

REST API

Application

Browser

Netlify

Heroku