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AMBULANCE ARRIVAL TIMING
USER GUIDE

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Introduction

Ambulances running around the town is always a process needing quick measurement and fast approach. A patience life can be under threat if proper measurements are not well taken care of. When a ambulance arrives in a hospital it's the hospital's job to take quick care, every seconds matters when it's about saving someone's life. Which triggers the need of a system that will let the staff know when an ambulance is arriving next? How much time the staffs have to prepare for the next patient?

This demand calls for a system to be developed that will let the staffs of a hospital know whenever a ambulance driver has decided to bring a patient to the hospital. The hospital staffs can upload a weekly or monthly based report of time taken for ambulances to arrive from different location. The system will learn from those data and will provide more accurate ETAs based on those data.

The system will also allow the user to receive a general report for a period of time what ETAs were generated over the period of time from which locations. What were the error rate. And a report on how the uploaded files has affected the ETAs over the period of time.

Getting Started

System Requirements

Personal Computer
Web browser (Mozilla)

Quick Start

1. Download Mozilla browser from www.mozilla.org
2. Install the browser in the computer
3. Follow on screen instructions to complete the installation
4. After installation start the browser
5. Open a new tab and type this link or copy this link on the address bar
   http://operation3inc.com/wp-admin/CSE5ITP/Login.php
6. Log in with the username and password provided

Sign Up to the System

Go to the sign-up page for the website http://operation3inc.com/wp-admin/CSE5ITP/Register.php you will see the following page (Figure 1.1). From there enter the credentials as suggested below

- **Staff ID:** The ID generated to you from the hospital
- **Username:** Must be unique (Using your initials are recommended)
- **Password:** Must be at least 6 characters (Numbers, alphabets, or any other characters)
- **Confirm Password:** Type the same password you have just entered for the **Password** section above to confirm the password

Figure 1.1

Then click on the **Submit** button to complete the **Sign-Up** process. Once you are successfully signed up to the system, you will be directed to the **Log In** page. If you already have created an account in the system then click the **Login Here** button and you will be directed to the **Log in** page.

Log in to the System

Go the log in page for the website http://operation3inc.com/wp-admin/CSE5ITP/Login.php you will see the following page (Figure 2.1). From there enter the credentials as suggested below
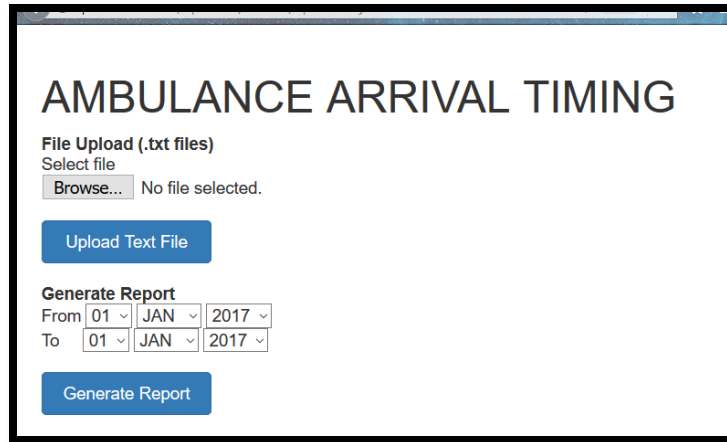
- **Username:** The same username you have used to Sign-Up to the system
- **Password:** The same password you have used to Sign-Up to the system

Figure 2.1

After filling up the above fields with the right credentials, click the **Submit** button. Once you are successfully logged in, you will be directed to the **Home Page** of the system. If you do not have an account yet, then click the **Sign Up Now** button and you will be directed to the **Sign-up** page.

File Upload
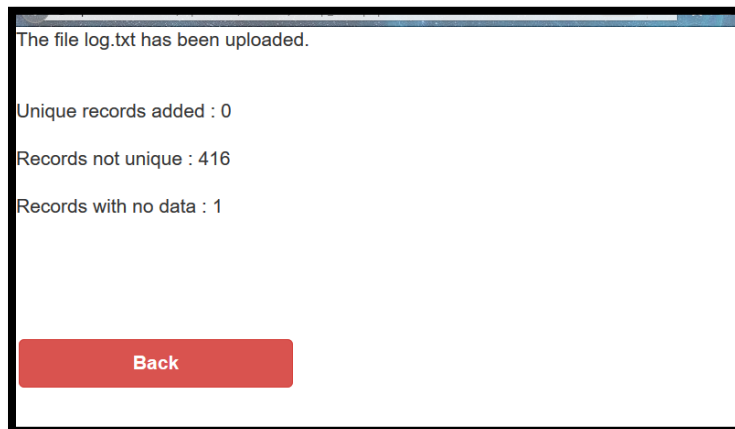
After successful log in you will see the **Home Page** like the following (Figure 3.1). The Home Page has three sections. The first section is the **File Upload system**. You can select a **text file (.txt)** by clicking the **Browse** button. The text file needs to be correctly formatted. After selecting the text file, you can click the **Upload Text File** button and the file uploading process will start.

Figure 3.1

Once the file is successfully uploaded, you will be directed to a file upload summary page (Figure 3.2) where you will be informed about the text file you have just uploaded.

Figure 3.2

Generate ETA

To Generate ETA (Figure 4.1)

- Select an address from the address drop down option. Default is the first address.
- Then you can also select the time for today. If you opt out then the current time on your system will be selected by default.
- The siren/lights of the ambulance are always unchecked unless you choose to check it. It will generate an ETA considering the ambulance siren was on for a faster movement in traffic.

Figure 4.1

Then click the Generate ETA button. You will be directed to the ETA generation page where you will be shown (Figure 4.2)

- The time for which the ETA is generated
- The best route following by the alternative routes with the ETA generated by the system and error rates
- The ETA generated by the Google Maps at the same time with alternatives available and the directions
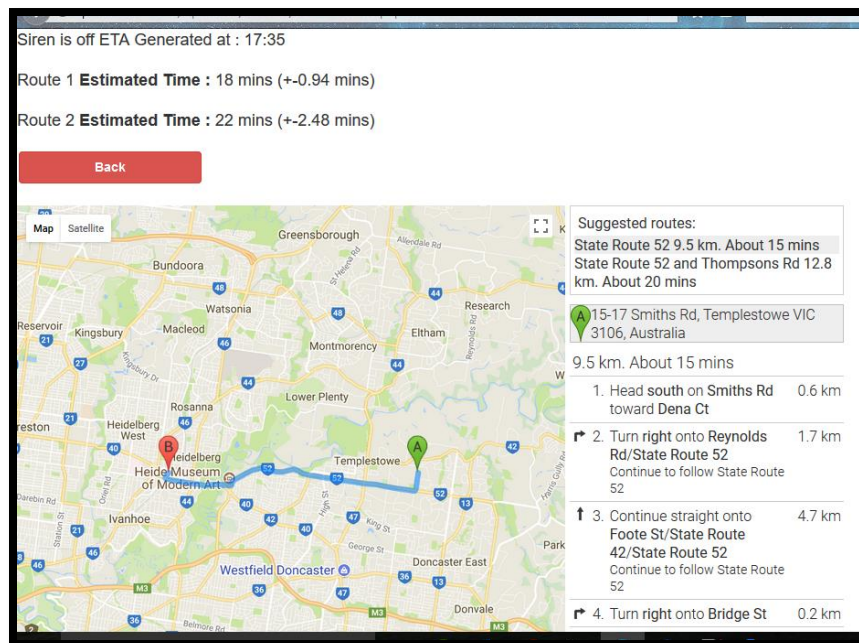

Figure 4.2

Generate Report

To Generate Report (Figure 5.1)
- Select a time from which the report to be generated
- Select a time to which the report to be generated

Figure 5.1

Then click on the Generate Report button. You will be directed to the report page (Figure 5.2).

Figure 5.2

Glossary

ETA
Estimated Time of Arrival