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User Manuals

A.1 Website

A.1.1 Introduction

Basic Information

Author: web developer *Shihui QUE*

Browser: Google Chrome

Website: Road Monitoring System

Purpose

This user manual will show you how to use the "Road Monitoring System" website. It lists the features and response logic of the website in detail.

Intended Users

This documentation is intended for the government users to detect road conditions with map. As a collection of processed information, the website visually presents the urban road conditions and develops other auxiliary functions for users to better detect the road surface.

A.1.2 How to login

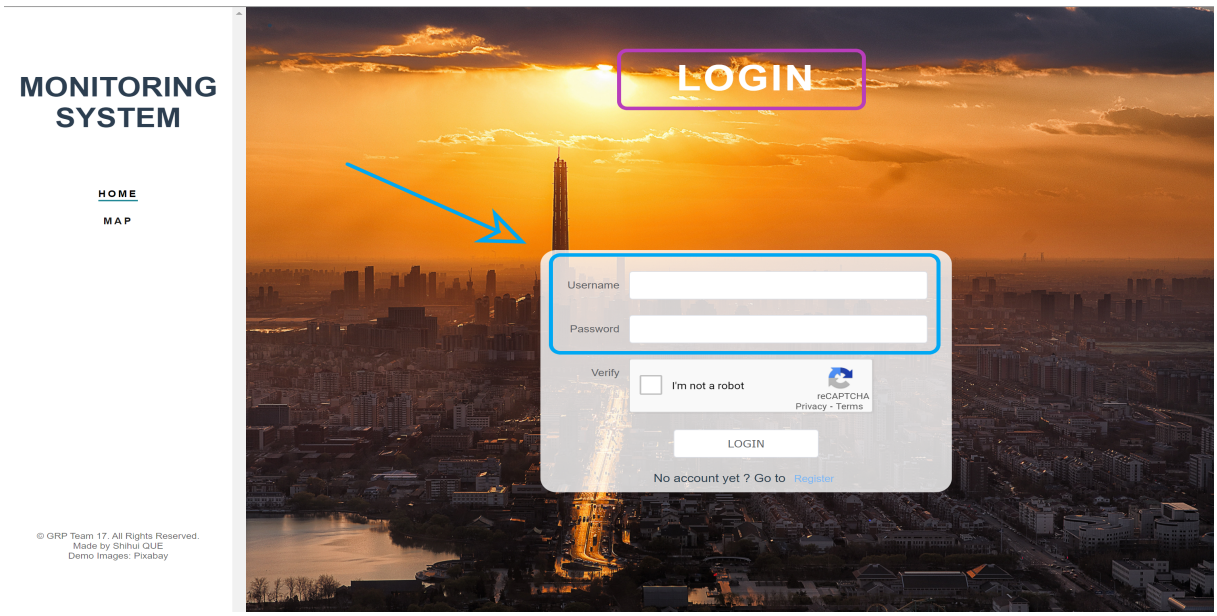


Figure A.1: Login part 1

Step 1: Fill in the user name and password in the form.

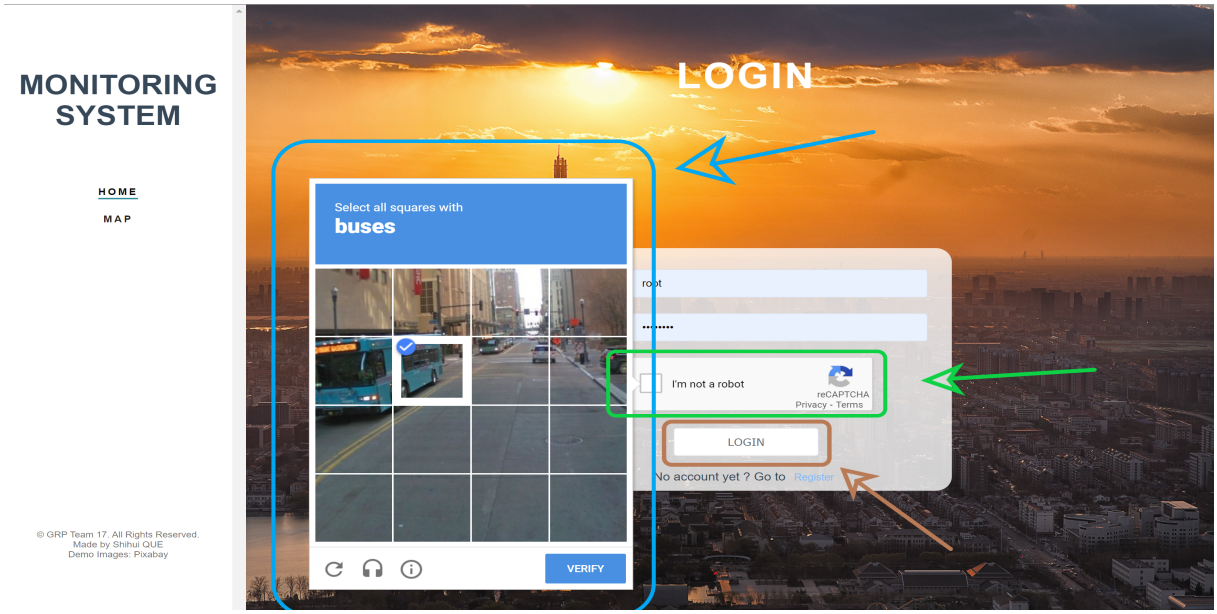


Figure A.2: Login part 2

Step 2: Check the validation box and complete the Google reCAPTCHA validation. You must have access to Google or you will not be able to complete the validation.

Step 3: Click LOGIN to log in.

Step 4: The page will jump to the map page when login successfully.

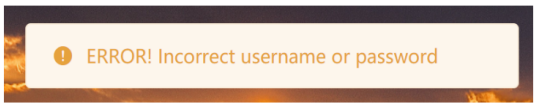
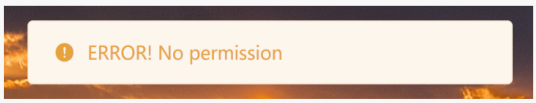
Description	Screenshot
Login failed with wrong username or password	
Login failed due to the user does not have permission, the user need to wait for the manager to assign permissions	

Figure A.3: Login alert boxes

Table A.3 lists several alert boxes under varied conditions when the user log in.

A.1.3 How to register

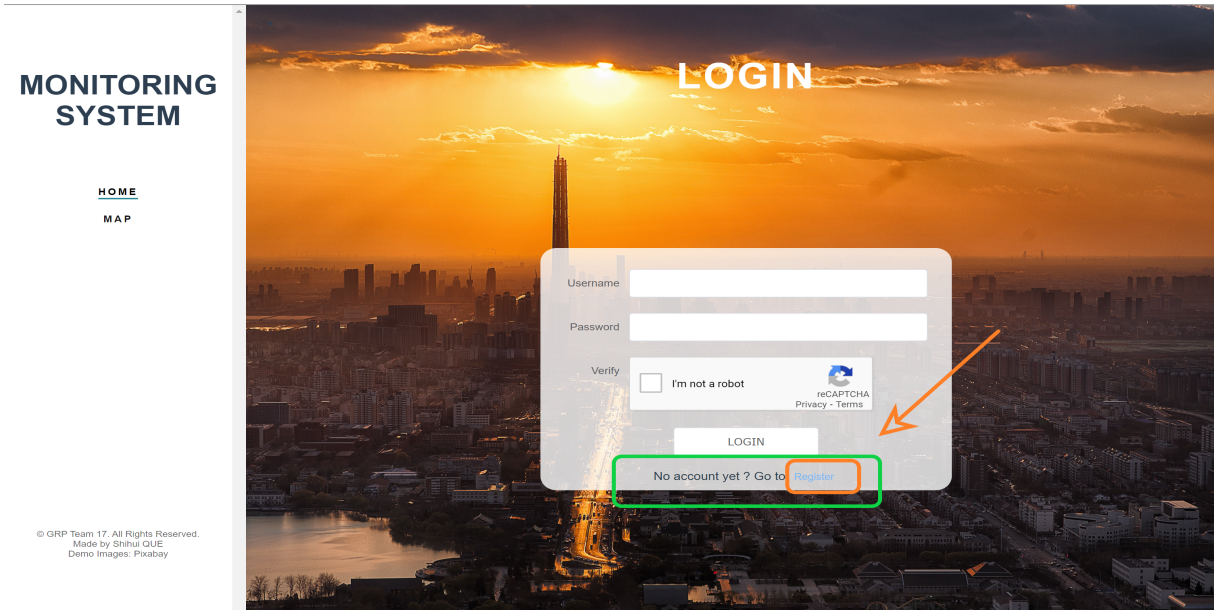


Figure A.4: Registration part 1

Step 1: Click the highlighted word "Register" to the registration page.

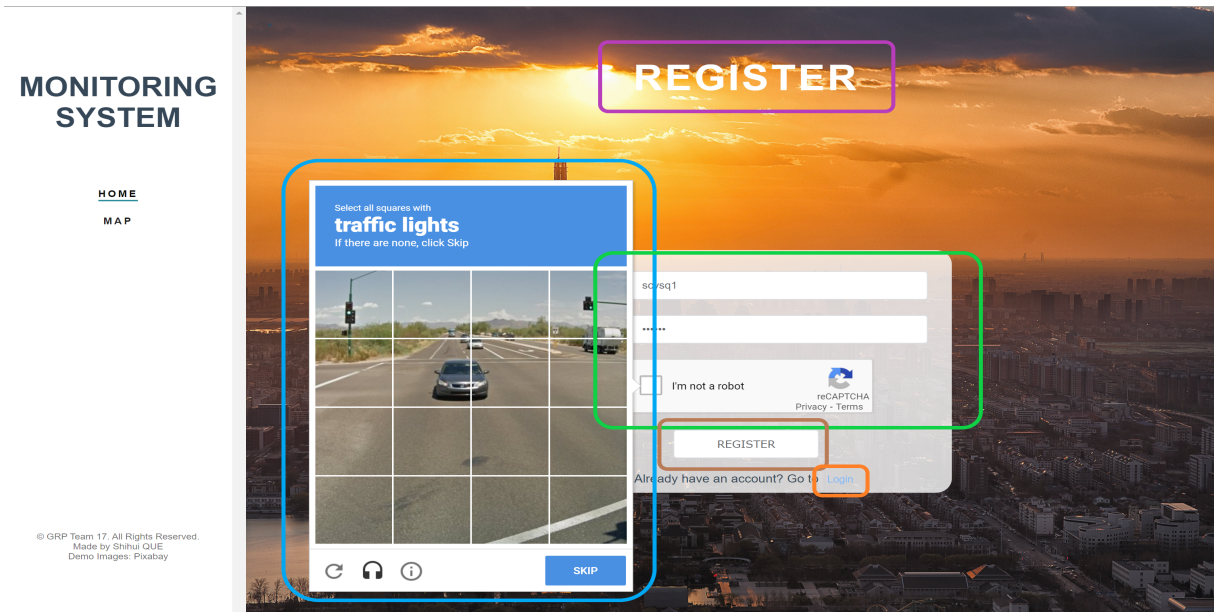


Figure A.5: Registration part 2

Step 2: Fill in the user name and password in the form.

Step 3: Check the validation box and complete the Google reCAPTCHA validation.

Step 4: Click REGISTER to log in.

Step 5: The page will jump to the login page when registered successfully.

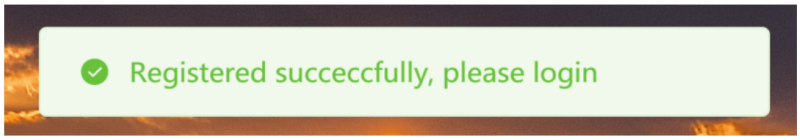
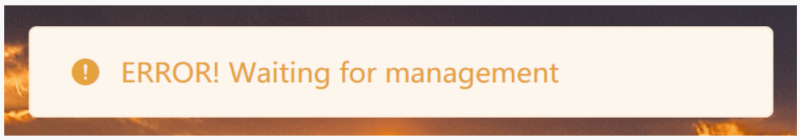
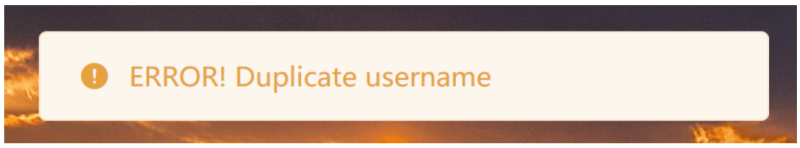
Description	Screenshot
Registered successfully	
Remind the user to wait for processing	
Remind the user of a duplicate user name	

Figure A.6: Login alert boxes

Table A.6 lists several alert boxes under varied conditions when the user register.

A.1.4 Map with road condition

Figure A.7: Map with data

1. Areas covered by red circles on the map indicate the road is damaged and need to be repaired and the areas covered by purple circles indicate the road surface that has been repaired.

2. You can use the navigation bar on the left side for switching between pages.

3. At the top of the page, there is a date picker used to toggle the date to view data.

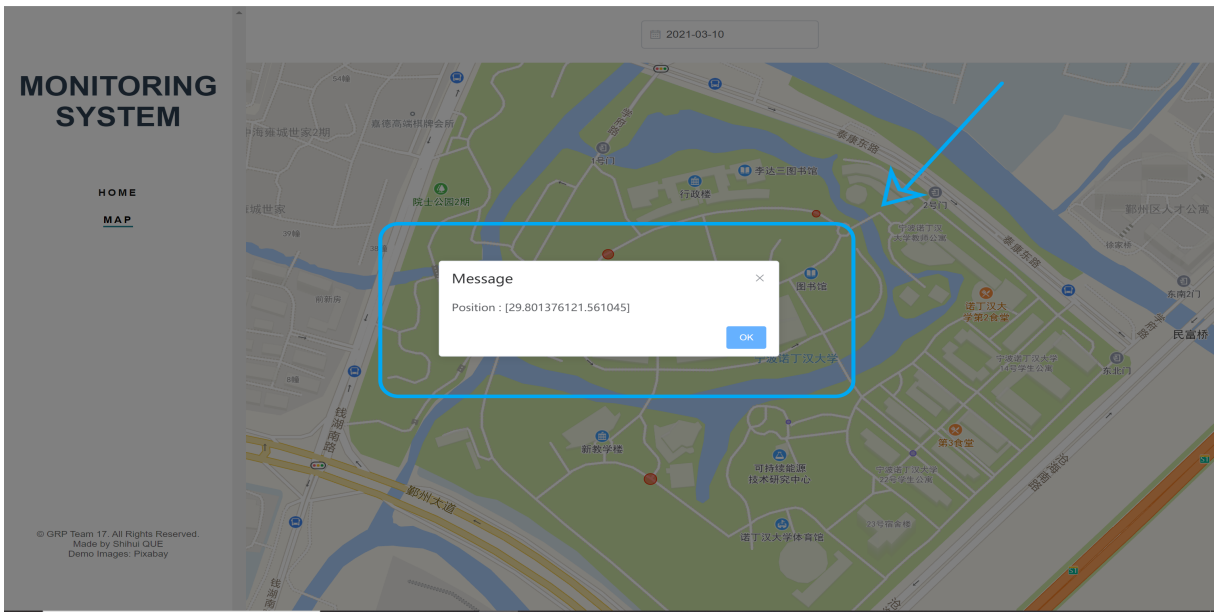


Figure A.8: Circle position

You can click on any of the circles, the website will pop-up an alert box with the latitude and longitude of the circle.

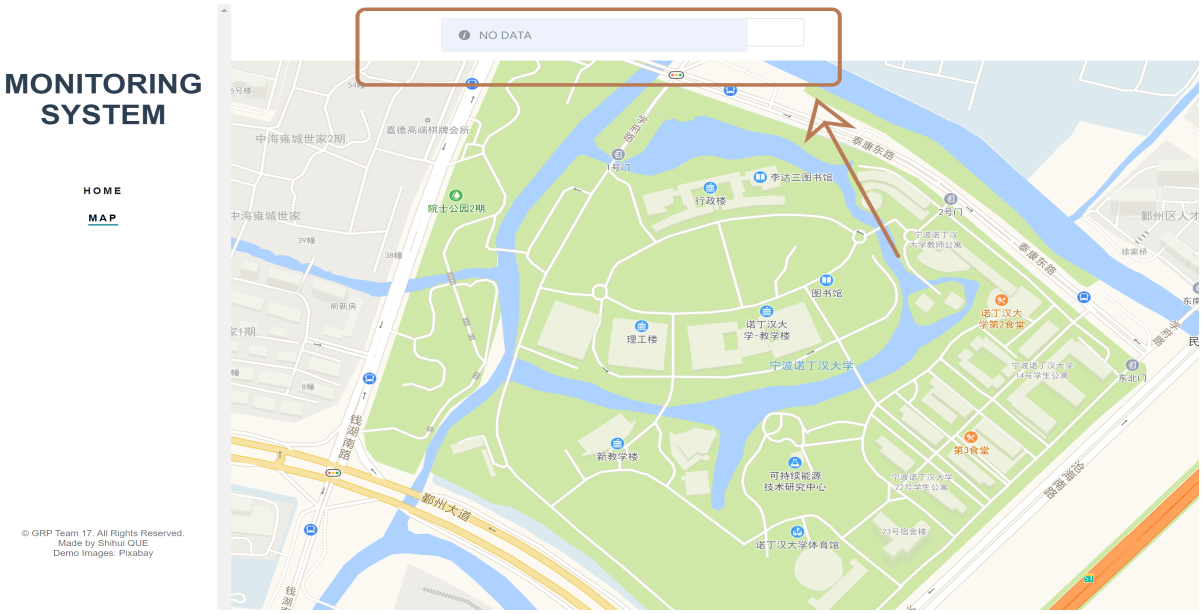


Figure A.9: Map without data

If the selected day does not have data, the website pop up an alert box to show that there is no data.