

# API Document

@function: shoot

@method: GET

@intro:

leads to the page that allows the user to take a picture

@return:

message: a string contains information to be displayed

@function: api

@method: GET

@intro:

uses the google api to display the data on the map

@return:

total\_number: the number of spots to be observed

vacant\_number: the number of spots that are available

spots: a list that contains the availability of the spots, 0 means vacant, 1 means occupied

@function: detect

@method: GET

@intro:

leads to the page that allows the user to do the detection and analysis

@return:

message: a string contains information to be displayed

image: a string shows the address of the image file

@function: shootphoto

@method: POST

@intro:

takes and saves a picture from the live source, then redirects to another page for next step

@return:

message: a string contains information to be displayed

@function: detectphoto

@method: POST

@intro:

reads and tries to detect cars in the image, then displays the result

@return:

message: a string contains information to be displayed

image: a string shows the address of the image file

spots: a list that contains the availability of the spots, 0 means vacant, 1 means occupied