
Auto Car Classifier User Manual

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1 System Overview

This system is a progressive web app that can detect cars in images, extract plates from the images and classify the car according to make model and year

2 System Configuration

This app is configured to run on chrome, safari, firefox and Opera. It is also mobile responsive to phones later than the Samsung S5

3 installation

The user will only need users signup for the service for which is web based app that they will run on their device. Once logged in they will be able to use the car classifier to classify vehicle.

4 Use cases

4.1 Log screen

To login, the user would have to input their credentials and password.

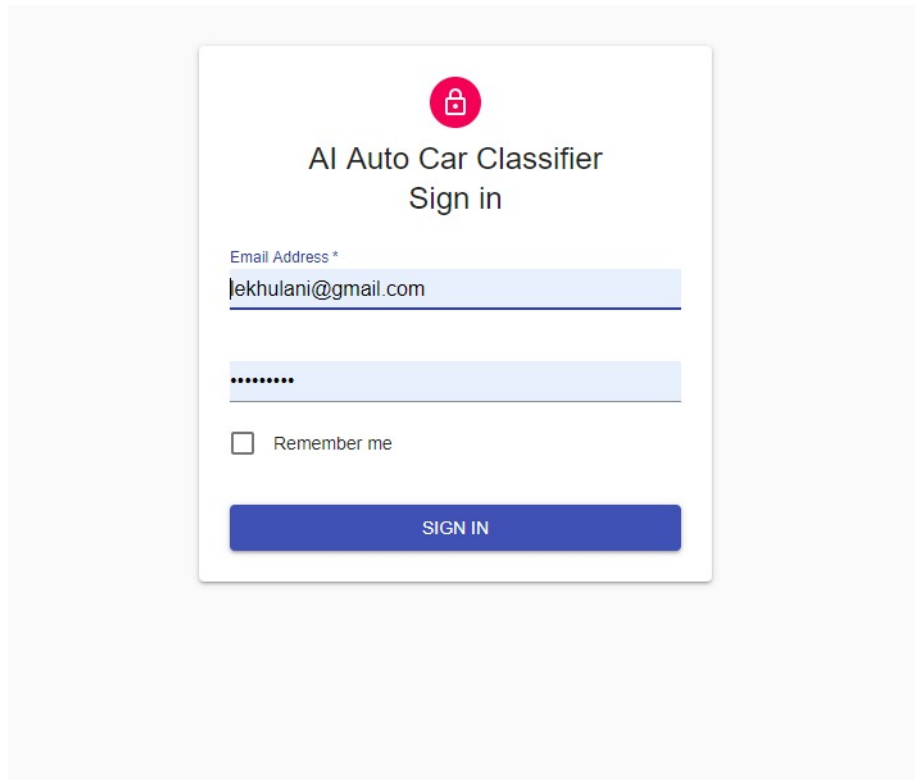
4.2 Upload screen

The user will upload a photo and determine which operation to click on namely CAR, COLOR or PLATES button.

4.3 Car screen

4.4 Detected car screen

4.5 Number plate screen



The login screen features a central white card on a light gray background. At the top of the card is a red circular icon with a white padlock. Below the icon, the text "AI Auto Car Classifier" and "Sign in" are centered. The "Email Address *" field contains the text "lekhulani@gmail.com". The password field is represented by a series of dots. A "Remember me" checkbox is located below the password field. A blue "SIGN IN" button is at the bottom of the card.

AI Auto Car Classifier
Sign in

Email Address *

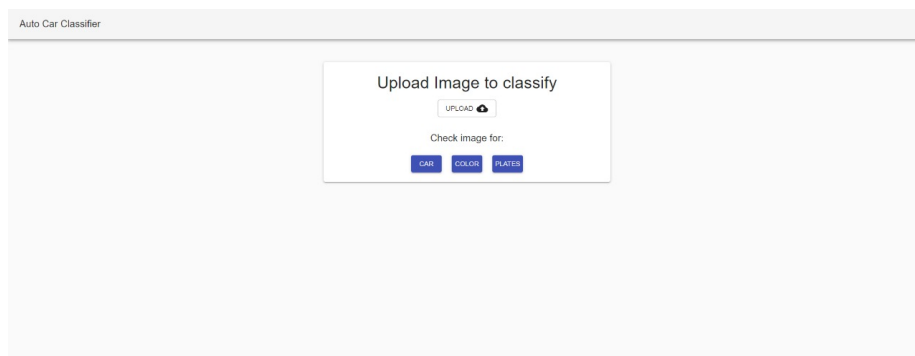
lekhulani@gmail.com

.....

☐ Remember me

SIGN IN

Figure 1: Login Screen



The upload screen has a light gray header with the text "Auto Car Classifier". The main content area is white and contains a central card. The card has the title "Upload Image to classify" and an "UPLOAD" button with a camera icon. Below the button, the text "Check image for:" is followed by three buttons: "CAR", "COLOR", and "PLATE".

Auto Car Classifier

Upload Image to classify

UPLOAD

Check image for:

CAR COLOR PLATE

Figure 2: Upload Screen

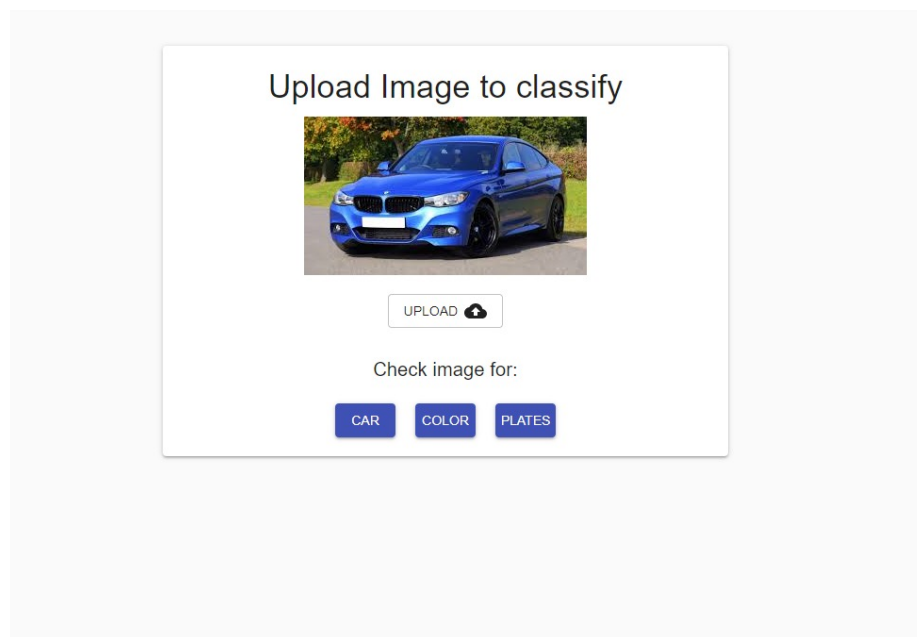


Figure 3: On this screen as you can see the user has a picture that they have uploaded.

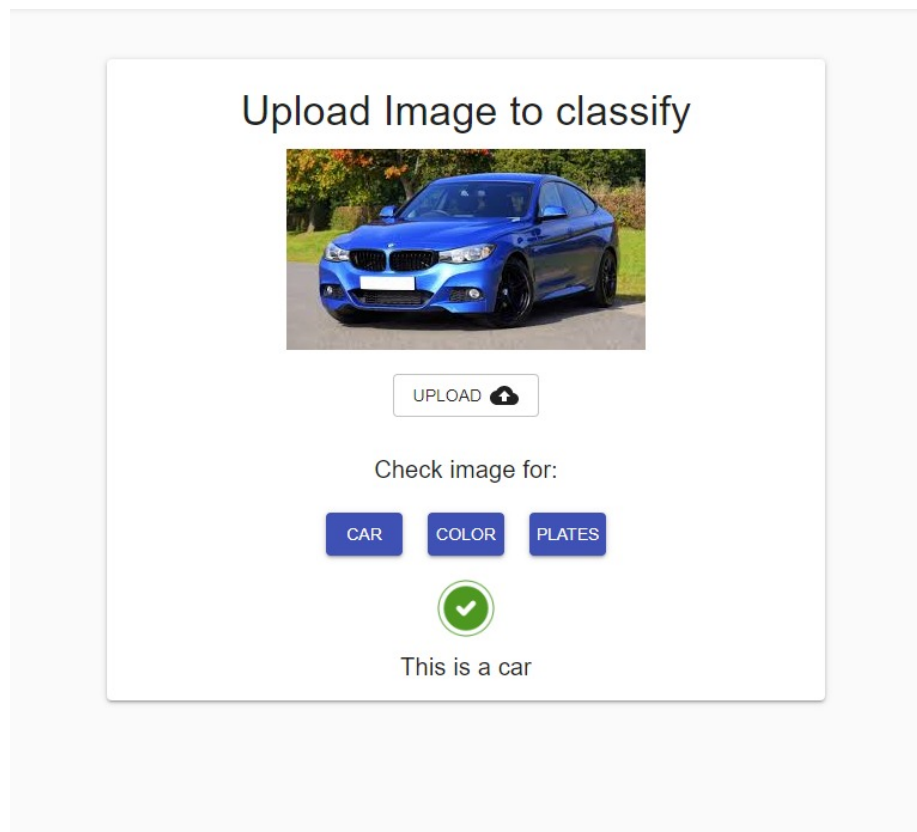


Figure 4: Car detection: On this screen the picture uploaded has been detected as a car which is evident from the green tick mark. From here the user may classify the car according to its number plate and color.

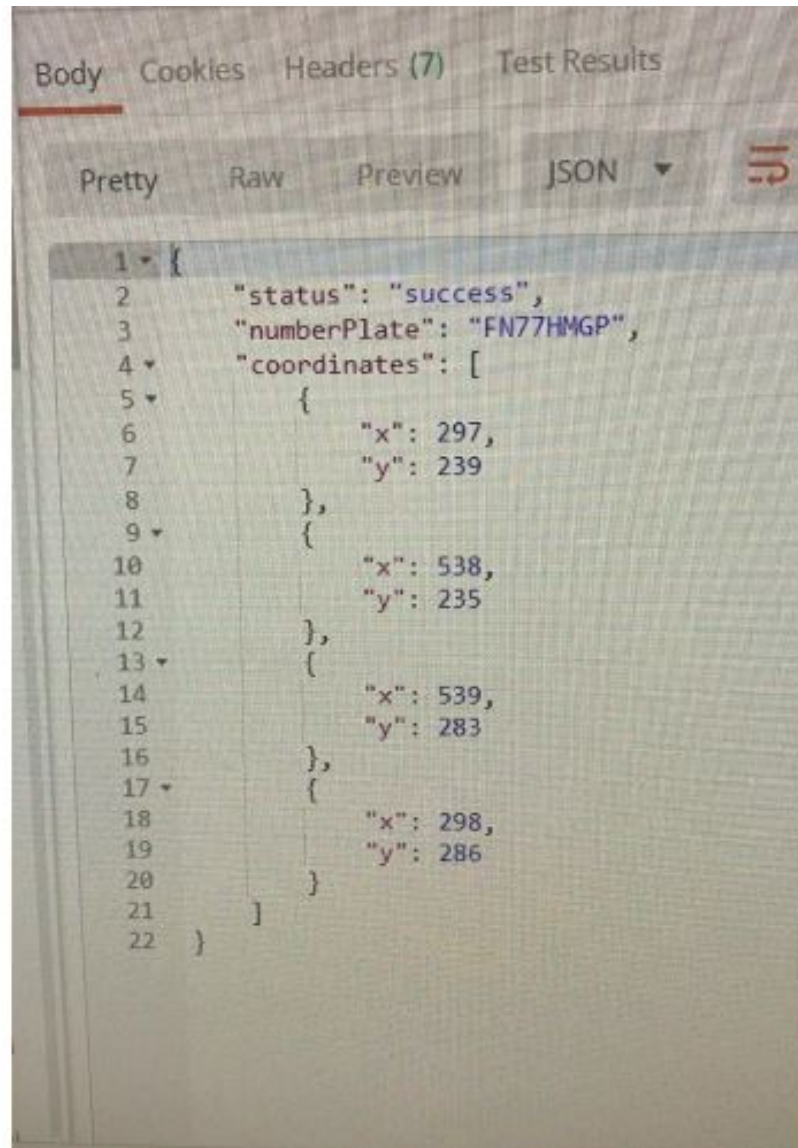


Figure 5: Number plate character recognition and number plate coordinates in the picture upload which is breaking down the image into subsections.