

2022

# whatsmyform

A2J PROJECTS

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## (A2J Projects)

### 1. What was the main idea of your project?

The main idea of the project is to use computer vision and application development to recognize and highlight sections of the form and instruct users on how to complete them, i.e., what information to put in each box, and further show them how to respond depending on their circumstances. As part of the wider platform, the feature could also have recourse to the 'Legal Help' live chat feature where users can access further assistance for their issues. Another feature is that if the users have any language barrier, they can translate the forms and instructions into any other language.

By combining the law and technology we can help people and make a positive impact in their lives.

### 2. What were the challenges and problems and how did you overcome them?

- The main problem we faced was the communication gap. As I am working on the idea of law students, in the first phase of the project I didn't understand the idea properly and I was developing something invalid after realizing that we have a lack of communication, we decided to do meetings weekly with all team members to get feedback from each other. In this way, we were able to build the right product.
- The other problem that we face is with taking pictures, as we were developing a web app when we take a picture directly with webcam, its is not in good quality and is difficult to recognize, so we decided to take a picture with mobile and upload it to the web app.
- It was difficult to point out the question because we don't know where the question starts, to overcome this problem we added the locations of all questions manually to make it more convenient for the users. In the future, we will make it automatic to figure out the locations of questions.

### 3. What are the next steps going forward?

- In the next step, we are planning to make in wider project. For now, it is recognizing only one form, but we are planning to make it able to recognize different forms.
- As this is a web app, we can make it more useful and convenient for users if we develop mobile apps for android and ios.
- Another feature we planned to include is live chat. So, the user can get assistance from our chatbot, if he needs more help he can do a live chat with the legal advisor.

#### 4. What are your thoughts on the experience of working across law and technology?

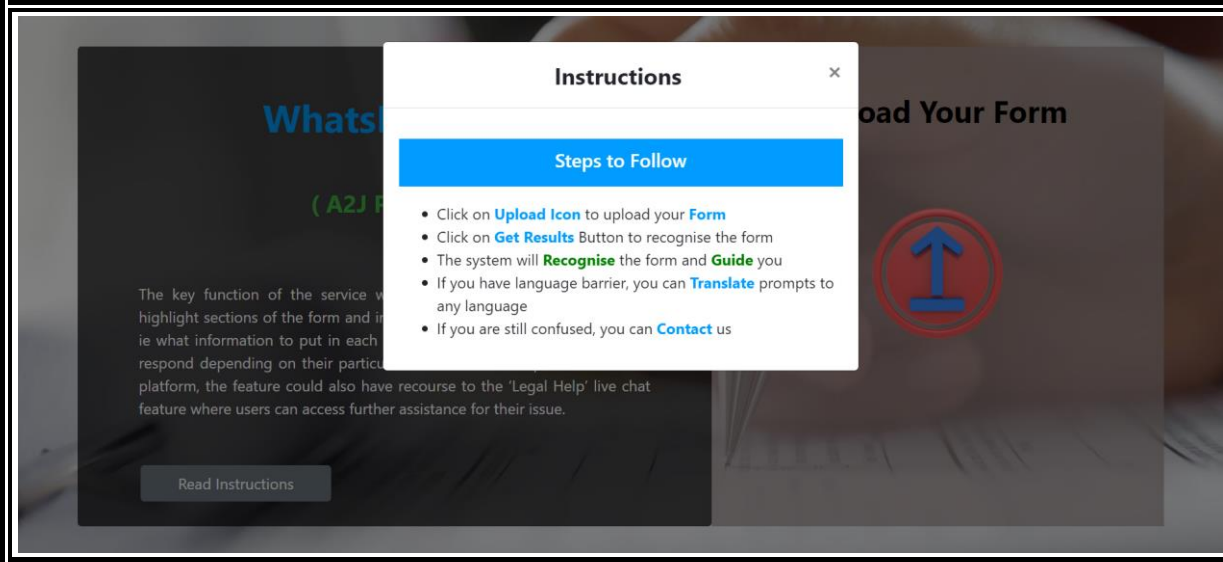
It was a great experience. I have learned to work as a team. As a technical person, I don't have more insights into law but working with law students makes me able to understand some concepts of law and expand my knowledge, which develops a keen desire in me to go beyond the limits and explore the diversity of this astonishing globe. As a student of computer science, my focus is to be the best in this widely growing field, so I am looking forward to expanding my limits and learning further innovation and diverse ideas about law and technology. By working here, I hope to enhance my vision and improve my proficiency in the field of Technology and implement it in real life.

I am feeling confident to use my knowledge and practical experience to contribute to people positively.

*Here are some screenshots of our developed app:*



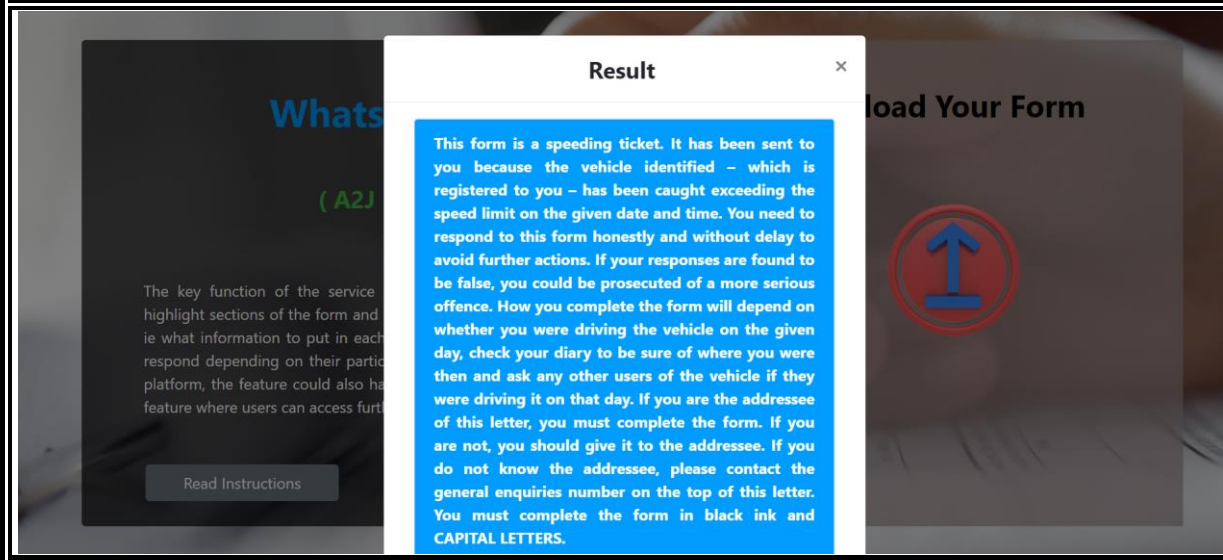
## Instructions for the Users



## Recognizing the Form



## Recognition Results



## Instructions to Complete the Form

The screenshot shows a form titled 'Instructions to Complete the Form'. The form contains the following sections:

- Q1 Were you the driver of the alleged offence?**  
Were you driving this vehicle on the date and time stated above? If yes, tick yes and go to Q2.
- Q2 If you were the driver, check your details overleaf. Is your full name and home address correct?**  
Look at the name and address on the first page of this letter, are these your correct name and home address? If yes, tick yes, and complete section A only. If no, tick no, complete section A and record your full name and home address in section C.
- Please complete your Driving Number in the box below e.g. OTHER 123456 AB9CD**
- Driver's signature**
- BOX 1: I was not the driver at the time of the alleged offence and believe the driver was the person in Section C.**

The background of the slide shows a blurred image of a document with the text 'Whats' and '( A2J' visible on the left, and 'Load Your Form' and a red circular icon with a blue arrow pointing up on the right.

## Translated Instructions into the Urdu Language

**Q1** کیا آپ مبینہ جرم کے ڈرائیور تھے؟

کیا آپ اس گاڑی کو اوپر بتائی گئی تاریخ اور وقت پر چلا رہے ہیں؟ اگر ہاں، تو ہاں پر نشان لگائیں اور اگر نہیں، تو Q2 پر جائیں۔

**Q2** اگر آپ ڈرائیور نہیں تھے، تو اپنی تفصیلات اور ریف چیک کریں۔ کیا آپ کا پورا نام اور گھر کا پتہ درست ہے؟

اس خط کے پہلے صفحے پر نام اور پتہ دیکھیں، کیا یہ آپ کا صحیح نام اور گھر کا پتہ ہے؟ اگر ہاں، تو ہاں پر نشان لگائیں، اور صرف کو مکمل کریں۔ اگر نہیں، نمبر پر نشان لگائیں، سیکشن A سیکشن میں اپنا پورا نام اور گھر کا پتہ درج C کو مکمل کریں اور سیکشن A کریں۔

OTHER 123456  
AB9CD

ڈرائیور کے دستخط

یہاں A1 سروس کا کلیدی کام یہ ہوگا کہ آپ کے نام پر نشان لگائیں، اور صرف کو مکمل کریں۔ اگر نہیں، نمبر پر نشان لگائیں، سیکشن A سیکشن میں اپنا پورا نام اور گھر کا پتہ درج C کو مکمل کریں اور سیکشن A کریں۔

اپنا فارم اپ لوڈ کریں

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## Highlighted Questions on the Form

Date: «LETTER\_DATE» Notice Number: «NOTICE\_NUMBER»

**SECTION A – You MUST answer Q1 and follow the instructions. Complete using BLACK INK.**

**Q1** Were you the driver at the time of the alleged offence? Yes ☒ Go to Q2 below No ☒ Complete Sections B and C

**Q2** If you were the driver please check your details overleaf. Is your full name and home address correct? Yes ☒ Complete rest of Section A only No ☒ Complete Section A and record your full name and home address in Section C

Please complete your **Driving Number** in the box below e.g. OTHER 123456 AB9CD

**Date of Birth** DD MM YYYY

Licence issued by **DVLA** ☒ Other ☒ If other please provide country of issue \_\_\_\_\_

**YOU MUST SIGN THE FORM HERE IF YOU WERE THE DRIVER**

**Driver's Signature**  **Signature Date** DD MM YYYY

**IMPORTANT**  
Keep within border

**SECTION B – Please tick the relevant box, sign AND fill in section C.**

☒ I was not the driver at the time of the alleged offence and believe the driver was the person in Section C.

☐ IF SUBSEQUENT POLICE CHECKS REVEAL THAT THE ABOVE VEHICLE WAS BEING USED WITHOUT A VALID CERTIFICATE OF INSURANCE ON THE DATE AND TIME OF THE OFFENCE THEN PROCEEDINGS MAY BE COMMENCED IN RESPECT OF THOSE ADDITIONAL OFFENCES.

☐ I was not the Owner/Keeper/Hirer of the vehicle at the time of the alleged offence because I Sold/Disposed of it to the person in Section C.



