

# Automated essay grading - User documentation

Codigos -

Kartavya Kothari - 193050021

Aditya Jain - 193050028

Shreyansh Jain - 193050040

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# 1 Introduction

We want to create a system that can leverage existing neural networks and various other Machine learning models to **interface** an automated essay grading system that attempts to solve problems such as wastage of man hours, non standardization of checking criterion and inconsistency in grading. Solving them with the added advantage in speed of evaluation and fairness.

## 2 Motivation

- Issues with manual essay grading are the wastage of man hours, non standardization of checking criterion and inconsistency in grading
- Improving Speed of evaluation and fairness
- Automated essay grading and open-ended assignments has received increasing attention due to the unprecedented scale of Massive Online Courses (MOOCs)
- More and more students are relying on computers to complete and submit their school work

## 3 User documentation

If you are looking for a platform to test your essay on the basis of various parameters such as readability, spellings, wordcount, etc, you have come to the right place. Here, you can get the scores for your essay (on a scale of 0 to 100) by following the steps below

### 3.1 Start project

If you are looking for a platform to test your essay on the basis of various parameters such as readability, spellings, wordcount, etc, you have come to the right place. Here, you can get the scores for your essay (on a scale of 0 to 100) by following the steps below

#### 3.1.1 Web portal

Steps:

- Open your web browser (Chrome, Firefox, etc)
- Visit: <https://codigos.herokuapp.com>

#### 3.1.2 Android app

- Go to <https://drive.google.com/open?id=1vXoPzw1-LYwyYC41-dgT7k2RWeaIpMh3>
- Install app (You may need to allow unknown sources when prompted)

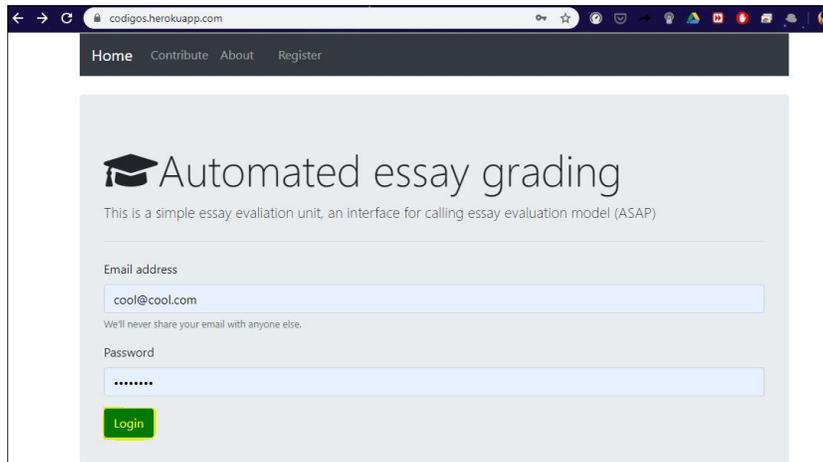


Figure 1: Login

### 3.2 Account creation

- Once on the portal, you should see the login screen as the first thing
- If you have an account already, just log in and move forward to next sub section, else read on
- Click on register link on the navbar (in web portal) or on title bar (In android app)
- Register by giving your details
- If successful, you should be re directed to the login screen
- Log in and move on to the next sub section

### 3.3 Grade your essay

- Once logged in, you should see the main evaluation page
- Now, there are two options for you to get your essay validated and get it's corresponding score
  - Typing text Beside "Enter essay text here", you can directly start entering your text here or can paste it from any other source (txt, pdf, etc.)
  - Upload file (only text) You can directly upload an already written essay file, by clicking on the "Upload essay" button and hence, no need to copy and paste the text onto the website.

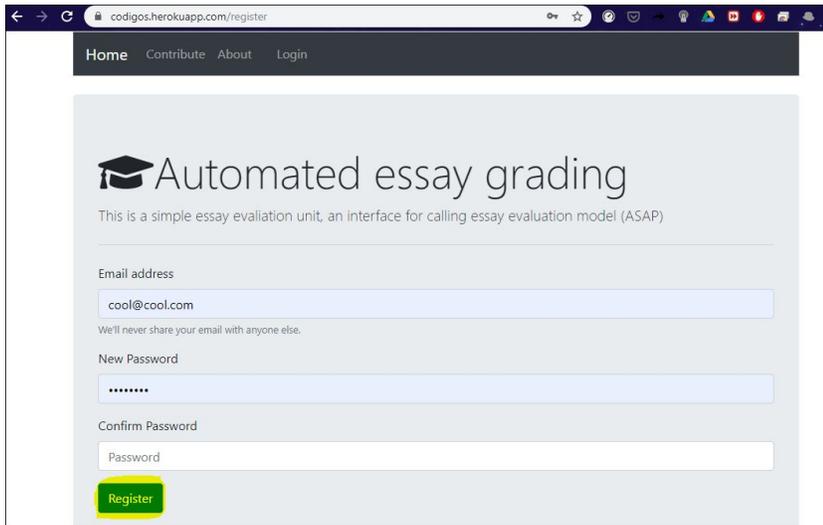


Figure 2: Register

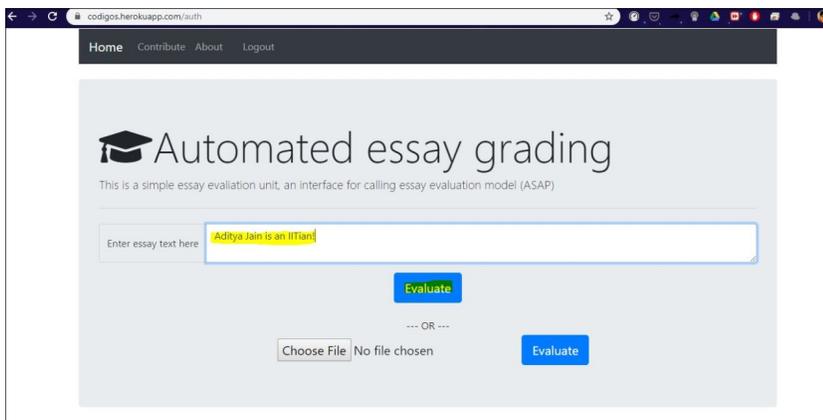


Figure 3: Evaluation

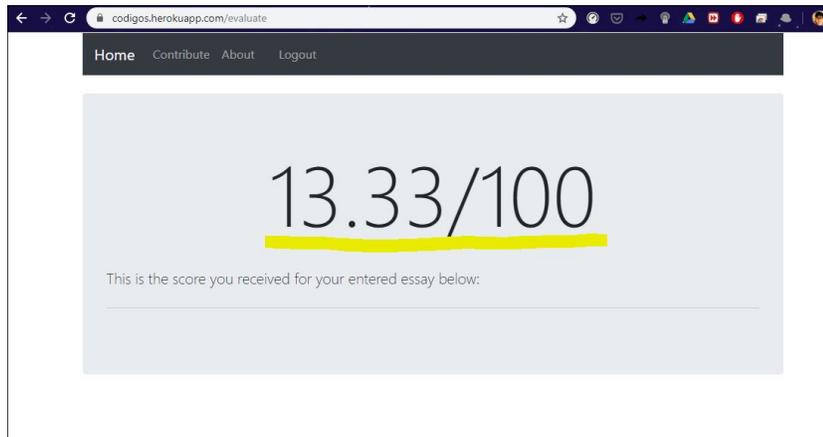


Figure 4: Score

- Once done with any of the steps, just click on the “Evaluate” button and Voila!! Your Essay score is in front of you. (Evaluated on a scale of 0-100)

Note:

- For getting accurate results, the input text (your essay) shall only consist of any combination of English alphabet, special characters and mathematical digits.
- The input text (your essay) shall consist of at least 7 words. Entering the text: “Aditya Jain is an IITian!” The text only consists of 5 words which doesn’t meet the requirement as mentioned above.

### 3.4 Contribute

Using this feature, you can contribute to our website, just to increase its accuracy and hence can avail the benefits of its accuracy later on.

All you need to do is:

- Text of your Essay
- The topic of your Essay
- The score of the Essay evaluated by you (manual checking)
- Click on the Contribute! button.

Just by completing these 3 steps, you have successfully contributed for a great cause! You are now a Codigo!

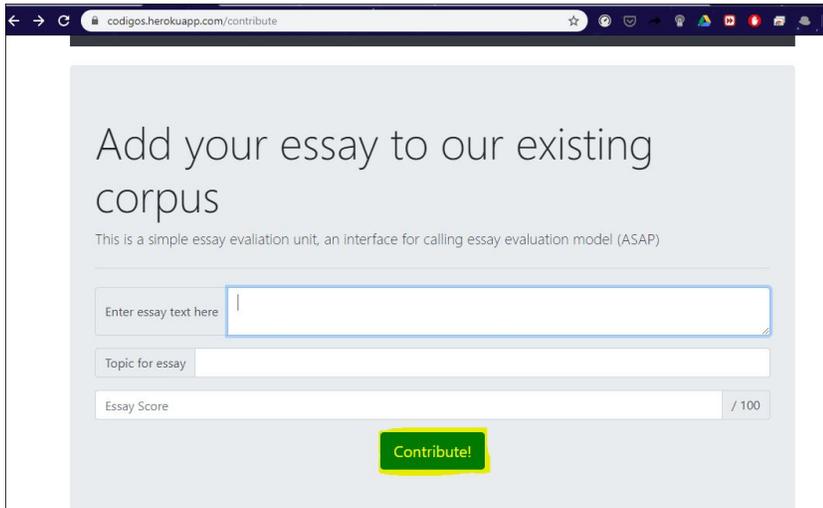


Figure 5: Contribute

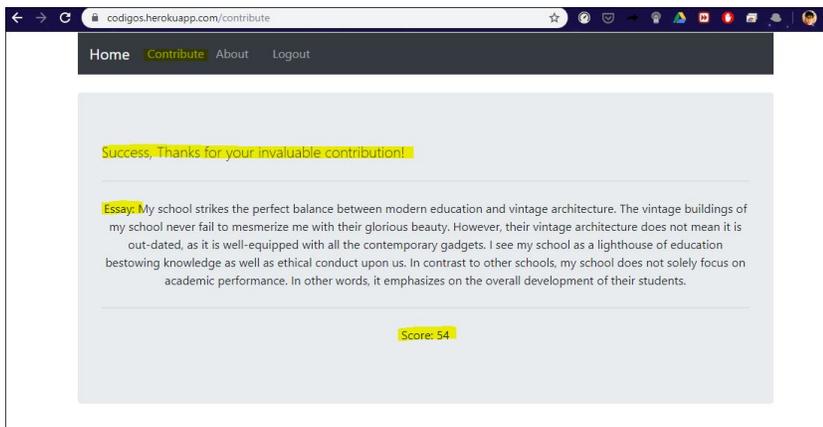


Figure 6: Thanks