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# Investigating criterial features of learner English and AI-driven automatic language level assessment - UI DEMO

Annanda Sousa • 30.10.2019

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**PHC Hubert Currien Ulysse 2019 (ref 43121RJ)**

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# Outline

UI Demo  
System's pipeline  
Architecture  
URL

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# UI Demo

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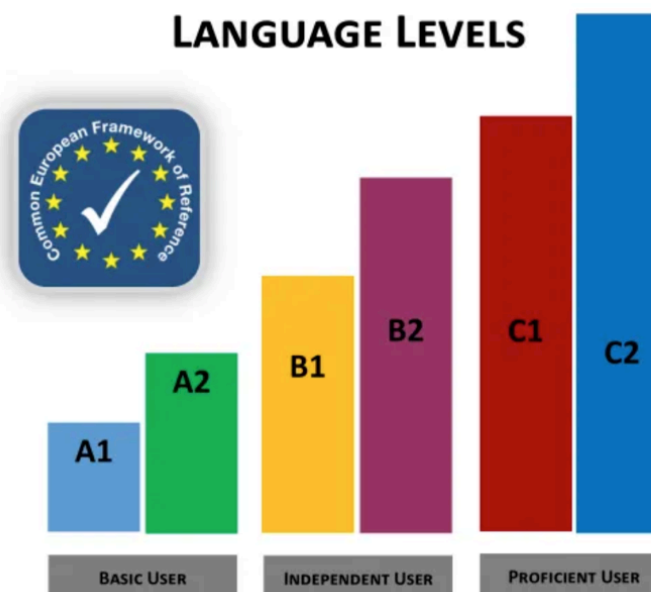
# Investigating criterial features of learner English and AI-driven automatic language level assessment - Demo

WRITE YOUR ESSAY HERE

Write something here...

Evaluate current essay

GUIDE CEFR LEVELS



# Investigating criterial features of learner English and AI-driven automatic language level assessment - Demo

## WRITE YOUR ESSAY HERE

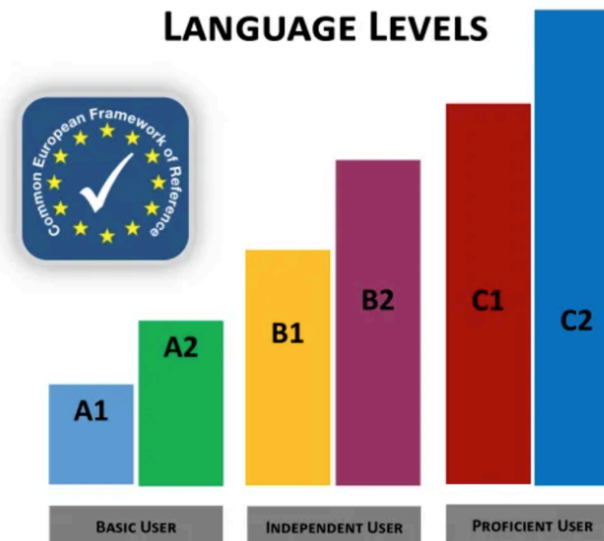
With the development of new technologies such as smartphones, new questions are being caused about how to evaluate students. Indeed, using cellphones to cheat is common in ~~highschools~~. The first question we have to ask ourselves is whether we should ~~authorize~~ students to access their phone or not. Arguments against are well-known: generation of students graduated without it. Plus, it might not help them in the end because they will not be properly trained for ~~memorize~~ information. But we also have to consider arguments in ~~favor~~ of it, in order to do what is best for our students. First, they will be working with these technologies in their professional lives, and we should be preparing them for that, by teaching them a proper use of smartphones and computers. We can also add that ~~memorizing~~ ~~<del>inf</del>~~ a lot of informations is not as important as it once was: knowledge is now accessible ~~<del>and</del>~~ on phones and we should train our students to ask themselves the good questions and to ~~analyze~~ properly their sources. With all these informations, our ~~comitee~~ will be ~~<del>a</del>~~ able to take a decision on the use of smartphones during exams. We also have to think of ways to deal with ~~thes~~ new kind of fraud. If we were to maintain the ~~kan&lt;?&gt;~~ on smartphones during exams, how should we enforce that policy? With an integrity pledge or new technologies? If we allow ~~theia~~ use, to what extent? How do we avoid having students communicating and writing the same essay?

Evaluate current essay

## PLEASE, WAIT

Please wait, processing your text. It usually takes around 3 minutes.

## GUIDE CEFR LEVELS



# Investigating criterial features of learner English and AI-driven automatic language level assessment - Demo

## WRITE YOUR ESSAY HERE

It lead to new trouble in university : fraud. In this report we will see why cheat is frequently used and what has been proposed in order to fix it. According to Dennis Carter in 2012, 35% of students use their phone to cheat. The reason of this high rate of cheat is constant sharing between classmates during classes. There habits to share information are used while assessments and/or before. In the first video, we saw that statistic of a midterm exams <del>wh</del> with cheat is way different from a normal situation and it led students to retake it because it wasn't acceptable. Which also is a loss of time and money. Cheating is much easier now because our tools are are fast and if you know how to use them. It's highly effective and accurate. <abbr title=""Monsieur"">M.</abbr> Carter said that with them, you no longer have to memorize notions be they're already in Internet. So we must find ways to make assessment that reveal the level of skills of students in modern society. Several ways has been tried a proposed la that purpose. First of all, an australian educator <del>'s</del> allow web accessible smartphone during exam to kest the students ability to gather information with all the tools they want. Other educators and teachers might think the idea is good because they'd make their test harder and everybody might be <del>é</del> equal with internet. Other schools and students try different issues. Some students created an Academic integrity pledge to fight against cheat in their university. With sanctions if you doesn't respect the honor code that students signed. Finally they also propose to sensityve students to plagiarism, writing and citation skills to induce them at doing their own work.

Evaluate current essay

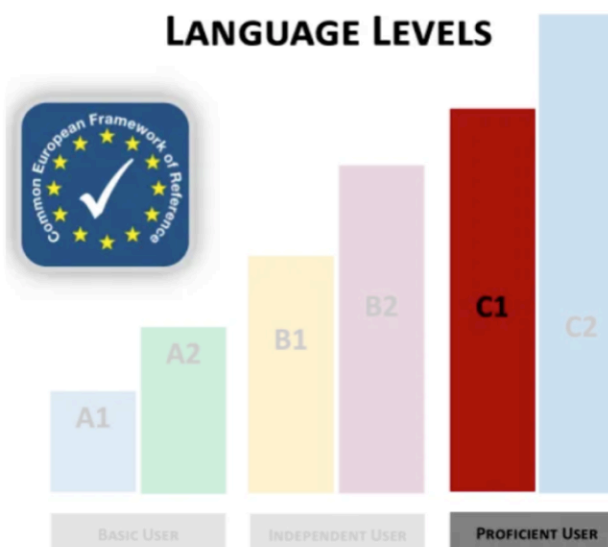
## PREDICTION OF TEXT LEVEL

48.57% level C1

31.94% level B2

## GUIDE CEFR LEVELS

### LANGUAGE LEVELS



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# System's pipeline

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The written text/essay  
in English

The most likely class of the  
text's English level



A vector of numbers  
representing the text  
characteristics  
(size 768)

Machine Learning  
algorithm to predict  
English level

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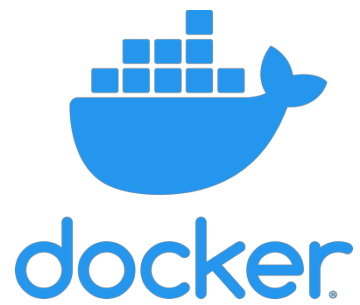
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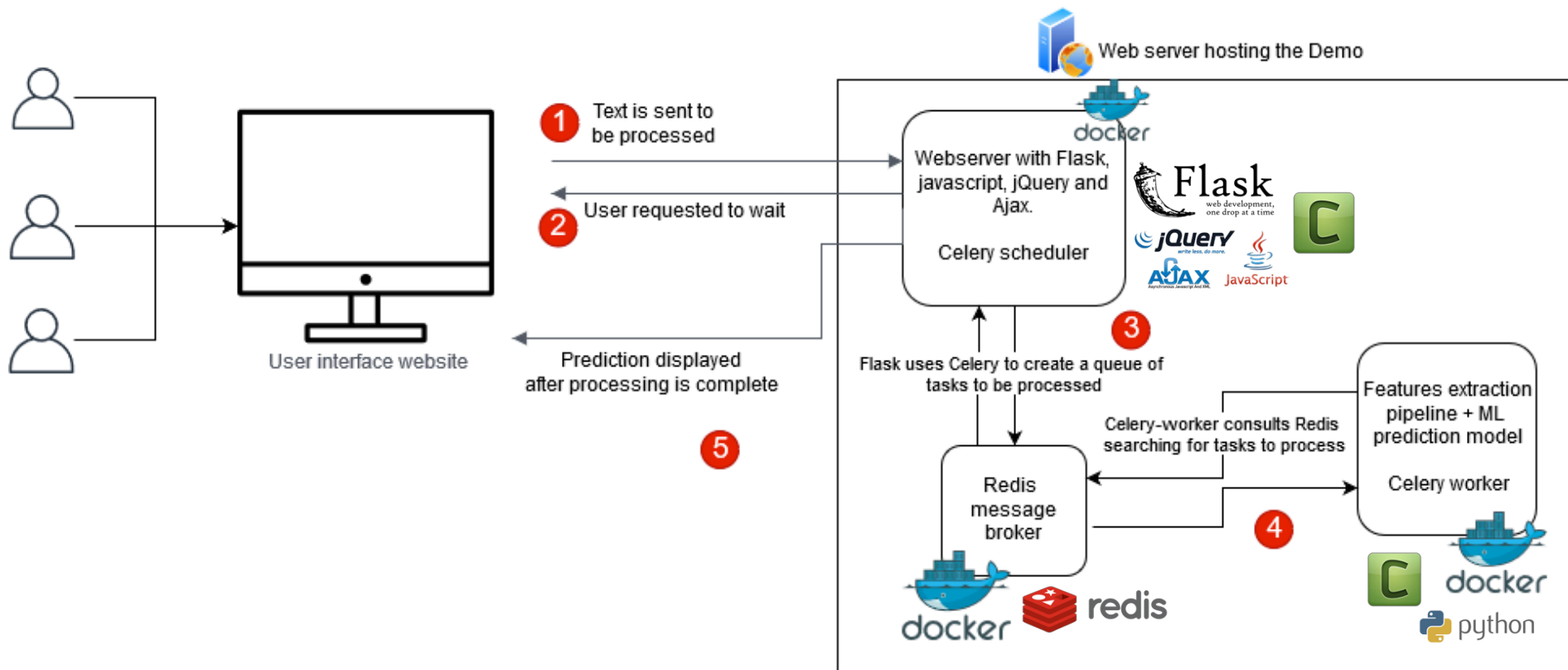
# Architecture

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## Tools





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**URL:**  
**http://**  
**ulysses.datascienceinstitut**  
**e.ie:8080**

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**Thank you.  
Questions?**

1. Go to <http://ulysses.datascienceinstitute.ie:8080>
2. Write your text
3. Have some coffee while waiting for your answer
4. See your English level prediction

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