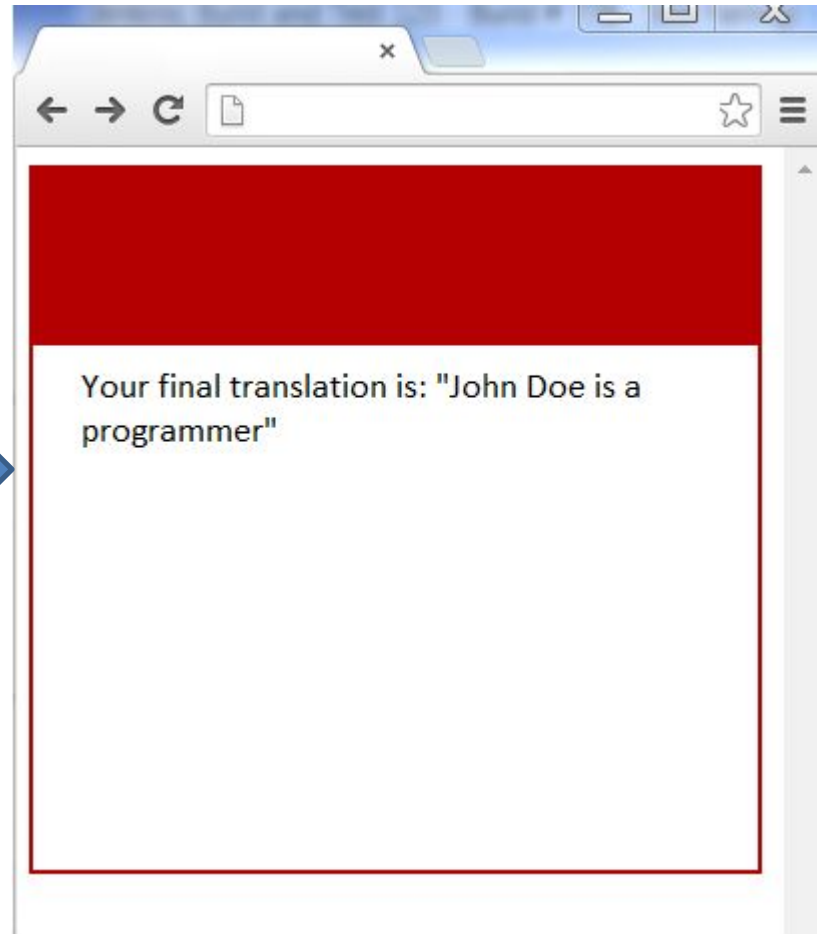
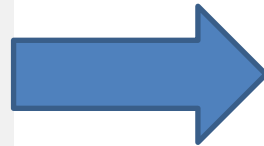
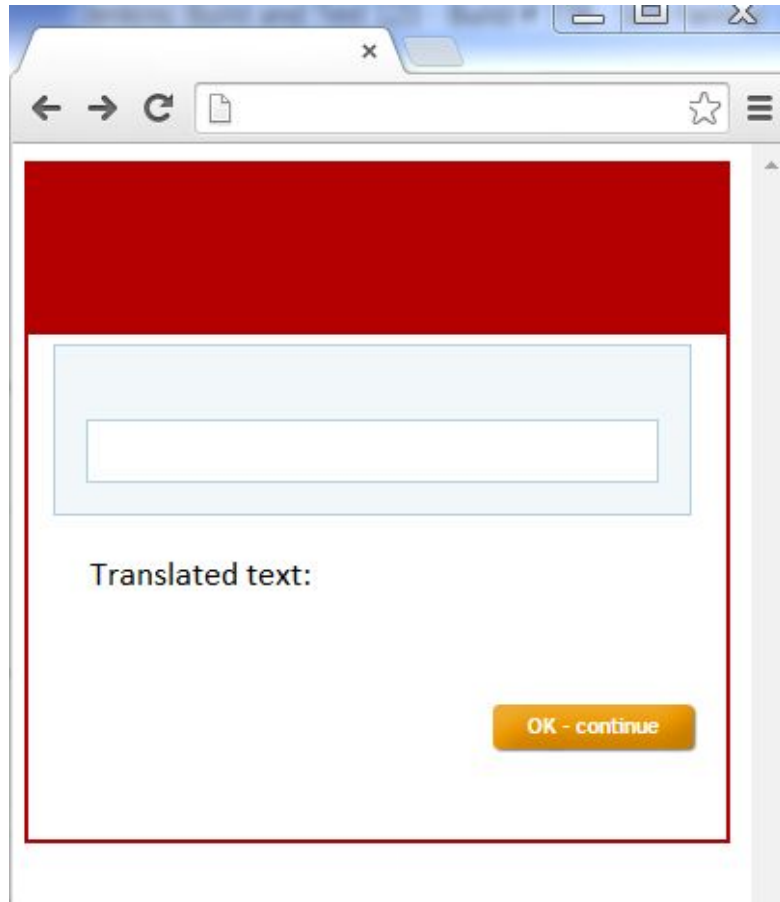


Translator tool

GUI

- Create a GUI similar to the one in the next page
- While you're typing in the edit box do not send requests to the service translating the written text
- If more than 3 sec. goes with no input typed by the user, you will send a request with the whole input to the translation service
- Pressing the button has to forward the user to a new empty page with just the result from the translation service – you probably will only call the translation service if the input has changed since last call
- Before checking the translation service the code should first check if it has the translated text in the backed saved to db or file and produce the result from there to save on the lookups.



Web Service

- You can use any web service you find on the Internet (Google Translate, Bing) –or– you can write your own (the actual translation is not important)
- If you write your own service it is fine if it can translate a couple of predefined sentences only
- If you write your own service it has to be hosted somewhere online (Google, Amazon, Azure etc.)
- There is not preferred solution, so any choice is fine as long as we can access it

Backend

- Create your own backend service that will be called when the result is shown to the user. You can use a free Amazon server or any other as a backend.
- Save the result of the translation as XML to a xml file on disc or in a database
- Format of the file is:

```
<?xml version='1.0' encoding='utf-8' ?>
<translations>
<translation timestamp='2014-12-12 17:16:14' id='1'>
<from>...</from>
<to>...</to>
</translation>
<translation timestamp='2014-12-14 17:16:14' id='2'>
<from>...</from>
<to>...</to>
</translation>
...
</translations>
```

- If you have problems setting up a free service for the backend code – use the browsers local storage instead.

Assignment

- Send the backend (the web service and file storage) and the front end (the GUI). Optionally upload the code to Git
- Send a link where we can try the service
- Make a small report in just a few sentences, on how everything is working and can be tested
 - Include some comments on how you chose to solve different steps of the problem
 - If there are detail out which parts of the assignment was not done and explain