This is a status report of the gtranslate+web-speech-api project.

Configuration:

In this first prototype we are developing the application in NetBeans IDE 8.0. The application server in GlassFish Server 4 and the java version is the "1.7.0\_55". The compilation used is the Java EE 6 Web.  
Java Server Faces is being used to redirect the pages, due to its easily web.xml configuration. And the rest is javascript in JSP pages.

Running the App:

To run the app you should have the config above. You just have to import or to create a web application in the IDE, using the correct Aplication Server. All the files are already set up to start. No other configuration is needed.

Tasks:

1. To recognize voice through a mic passing it to text;
2. To translate the text into a new language;
3. To Synthesize this new language into voice;

Actions:

The first task in complete, we used this example <https://www.google.com/intl/pt/chrome/demos/speech.html> to build the recognizer in our application, following the same model as the one used in the ESEM experiments. The code is basically the same, with minor adjusts to set variables.

For the second task we used the Google Translate API. I created a key, with my account and added this to the project and then we call the Google services according to the API and set the response to a DIV element. <https://developers.google.com/translate/?hl=pt-BR>

For the synthesis we are using <https://dvcs.w3.org/hg/speech-api/raw-file/tip/speechapi.html#tts-section> API. Until now it’s doing a good synthesis, but there is no Portuguese speaker available yet. It’s very simple to use, we just have to get the text we want to “speak” and call the synthesizer passing the words.

Next Tasks:

* Find a “Plan B” to the Brazilian Portuguese synthesizer, preferably free;
* Create an environment to remove the buttons and to make it easier to run the prototype each time;
* Make the prototype user friendly
* Keep improving the project to minimize error and delay