



Goal

Enable speech recognition provided by most of the browser in a Text field or TextArea item in an Oracle APEX application

The screenshot shows a form with several input fields and buttons. The fields are: 'Largeur du mur en Cm' (value: 10), 'Hauteur de pose en Cm' (value: 100), 'Type de mur' (value: Placo), and 'Equipement' (value: Eni 75 pouces). Below these is a larger text area labeled 'Matériel à Evacuer'. A microphone icon is located in the bottom right corner of this text area and is circled in yellow. At the bottom of the form are two buttons: 'Supprimer' (orange) and 'Enregistrer' (black).

Sample 1

The screenshot shows a 'Note' dialog box with a close button (X) in the top right. It contains a rich text editor with a toolbar at the top. The toolbar includes options for Paragraph, Bold (B), Italic (I), Underline (U), Strikethrough (ABC), Link (chain), Unlink (chain with slash), Bulleted List (list), Numbered List (list), Quote (quote), Table (table), Undo (left arrow), and Redo (right arrow). The text area contains three paragraphs of Lorem Ipsum text. A microphone icon is located in the bottom right corner of the text area. At the bottom of the dialog are two buttons: 'Annuler' and 'Valider'.



Sample 2

CSS inline

The CCS must be added at the page level, in CSS Inline property

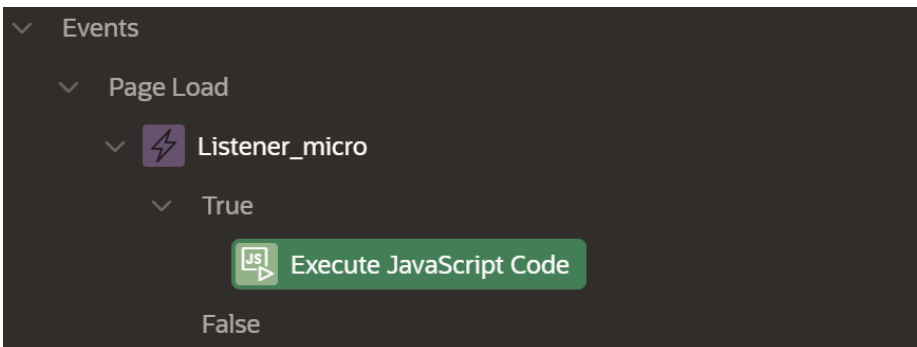
```
.icon-inside-textarea {  
  position: absolute;  
  right: 20px;  
  bottom: 10px;  
  z-index: 10;  
  color: #888;  
  cursor: pointer;  
}
```

Post Text

This markup must be added at the item level in the Post Text property

```
<span class="icon-inside-textarea">  
  <span class="fa fa-lg fa-microphone" id="mic-icon"></span>  
</span>
```

Page Load DA



```
document.getElementById("mic-icon").addEventListener("click",
function() {
  console.log("Clic icon !");
  // Vérifier si le navigateur supporte la reconnaissance vocale
  const SpeechRecognition = window.SpeechRecognition ||
window.webkitSpeechRecognition;
  if (!SpeechRecognition) {
    //micBtn.disabled = true;
    console.warn("Speech recognition non supportée sur ce
navigateur.");
    return;
  }
  console.warn("Scontinue.");
  const recognition = new SpeechRecognition();
  recognition.lang = 'fr-FR'; // ajuster la langue
  recognition.interimResults = false;
  recognition.maxAlternatives = 1;

  //micBtn.addEventListener("click", () => {
    recognition.start();
  //});
  recognition.onresult = function (event) {
  // Concatenate new text with previous, if any.
  const transcript = event.results[0][0].transcript;
    prevnote = apex.item("P30_NOTE").getValue();
```



```
apex.item("P30_NOTE").setValue(prevnote.concat(transcript));
};

recognition.onerror = function (event) {
  console.error("Erreur de reconnaissance vocale :", event.error);
  apex.message.showErrors([
    {
      type: "error",
      location: "page",
      message: "Échec de la reconnaissance vocale : " + event.error,
      unsafe: false
    }
  ]);
};
});
```

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