

Task IOT :
Speech to text code :

Coding :

```
<html>
<head>
  <title></title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.6.0/css/bootstrap.min.css"/>
</head>
<body class="bg-info">
<div class="container">
  <div class="row">
    <div class="col-md-8 offset-2">
      <div class="card mt-4">
        <div class="card-header">
          <div class="row">
            <div class="col-md-12">
              <h5>Speech to Text in Javascript</h5>
            </div>
          </div>
        </div>
        <div class="card-body bg-secondary text-white">
          <div class="row">
            <div class="col-md-12 bg-secondary text-white">
              <div class="form-group">
                <textarea name="" readonly id="textbox" rows="6" class="form-control">
              </textarea>
            </div>
            <div class="col-md-12 ">
              <button id="start-btn" class="btn btn-success btn-block">Start</button>
              <button id="create" class="btn btn-light btn-block" style="display: none">End</button>
            </div>
          </div>
        </div>
        <div class="card-footer">
          <div class="row">
            <div class="col-md-12">
              <p id="instration">Press Start Voice Recognition</p>
              <a download="info.txt" id="downloadlink" style="display: none">Download</a>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script type="text/javascript" src="script.js"></script>
<script >
  var SpeechRecognition = window.webkitSpeechRecognition;

  var recognition = new window.SpeechRecognition();

  var textbox = $('#textbox');
```

```

var instration = $('#instration');

var content = "";

recognition.continuous = true

recognition.onstart = function (){
    instration.text('Voice Recognition is on')
}

recognition.onspeechend = function (){
    instration.text('No Activity');
}

recognition.onerror = function (event){
    instration.text('Try Again');
    console.log(event);
}

recognition.onresult = function(event) {
    var current = event.resultIndex;
    var transcript = event.results[current][0].transcript;
    var confidence = event.results[current][0].confidence;
    console.log(transcript);
    content += transcript;
    $('#textbox').val(content);
};

$('#start-btn').click(function(event) {
    if(content.length){
        content += "
    }
    $('#textbox').val('welcome to nicesnippets.com');
    $('#downloadlink').css('display','none');
    $('#create').css('display','block');
    $(this).css('display','none');
    recognition.start()
});

var textFile = null,
makeTextFile = function (text) {
var data = new Blob([text], {type: 'text/plain'});

// If we are replacing a previously generated file we need to
// manually revoke the object URL to avoid memory leaks.
if (textFile !== null) {
    window.URL.revokeObjectURL(textFile);
}

textFile = window.URL.createObjectURL(data);

return textFile;
};

var create = document.getElementById('create'),
textbox = document.getElementById('textbox');

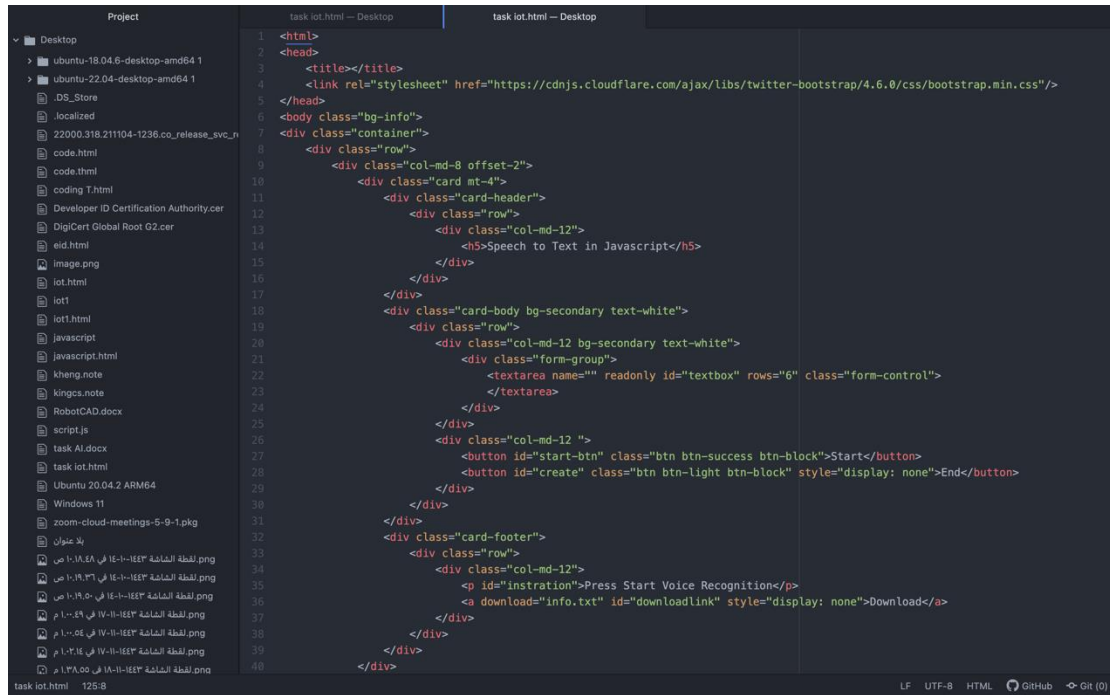
create.addEventListener('click', function () {
    var link = document.getElementById('downloadlink');
    link.href = makeTextFile(textbox.value);
    link.style.display = 'block';
    $('#start-btn').css('display','block');
    $('#create').css('display','none');
    recognition.stop()
});

```

```

        content = "";
        $('#instration').text('Press Start Voice Recognition');
    }, false);
</script >
</body>
</html>

```



```

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```

- Final result :

