



Weekly Progress Report

Text-to-Speech Web Extension using Python

Week: 2 Duration: 28/06/22 Group ID: Guide: Siddharth Patel

Group Members:

- 1. Bhakti Chokshi
- 2. Nupur Khatri
- 3. Bhavya Adhiya
- 4. Hasti Sutaria
- 5. Jaahanava Joshi

Project Description:

Most of us have to go through tons of articles and snippets of books before we understand a topic. Reading sure is fun, but becomes very demanding after a point.

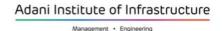
What if you had someone narrate these articles at your desired speed so that you could go through them faster or listen to them while working on something else?

Text-to-speech web extension can enable this and allow readers to go through the content better.





Date	Work done
28/06/22	Had a meeting with group members regarding the week flow and clarity of problem statement.
29/06/22	Referred the resources for making pop up.
30/06/22	Learnt how to make pop up with interaction by users.
01/07/22	Learnt how to make pop up with interaction by users.
02/07/22	Study on API in python.
04/07/22	Learnt how to call API in Python.
05/07/22	Aggregated work and had a weekly meeting with the whole group.





Research References:

- → How to create popups?
- 1. https://www.w3schools.com/howto/howto_js_popup.asp
- 2. https://www.w3schools.com/js/js_popup.asp
- 3. https://youtu.be/AF6vGYIyV8M

→ How to integrate Python API?

- 1. https://realpython.com/api-integration-in-python/
- 2. 5.https://www.dataquest.io/blog/python-api-tutorial/

Proof of Work:

Popup in HTML, CSS, Javascript.

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
/* Popup container - can be anything you want */
.popup {
 position: relative;
 display: inline-block;
 cursor: pointer;
  -webkit-user-select: none;
 -moz-user-select: none;
 -ms-user-select: none;
 user-select: none;
}
/* The actual popup */
.popup .popuptext {
 visibility: hidden;
 width: 160px;
 background-color: #555;
 color: #fff;
 text-align: center;
 border-radius: 6px;
 padding: 8px 0;
 position: absolute;
 z-index: 1;
 bottom: 125%;
 left: 50%;
  margin-left: -80px;
 '* Popup arrow */
```



```
Popup arrow */
 popup .popuptext::after {
  content: "";
  position: absolute;
  top: 100%;
  left: 50%;
  margin-left: -5px;
  border-width: 5px;
  border-style: solid;
  border-color: #555 transparent transparent transparent;
/* Toggle this class - hide and show the popup */
.popup .show {
  visibility: visible;
  -webkit-animation: fadeIn 1s;
  animation: fadeIn 1s:
/* Add animation (fade in the popup) */
@-webkit-keyframes fadeIn {
  from {opacity: 0;}
  to {opacity: 1;}
@keyframes fadeIn {
  from {opacity: 0;}
 to {opacity:1;}
</style>
</head>
<body style="text-align:center">
```





Output:

Popup - Hi there!

Click me to toggle the popup!



Click me to toggle the popup!

API Integration in Python.

```
"code": "4897163087a4b153b224"
  },
"data": "",
  "files": {},
  "form": {},
    "Accept": "text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image
    "Accept-Encoding": "gzip, deflate, br",
    "Accept-Language": "en-GB, en; q=0.9",
    "Host": "httpbin.org",
    "Referer": "https://github.com/",
    "Sec-Fetch-Dest": "document",
    "Sec-Fetch-Mode": "navigate",
    "Sec-Fetch-Site": "cross-site",
    "Sec-Fetch-User": "?1",
    "Upgrade-Insecure-Requests": "1",
    "User-Agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10 15 6) AppleWebKit/537.36
    "X-Amzn-Trace-Id": "Root=1-5fc2a19a-6aa207db14cafda4043272be"
 },
"json": null,
"". "GE
  "method": "GET",
  "origin": "80.216.7.24",
  "url": "https://httpbin.org/anything?code=4897163087a4b153b224"
}
```

Plan for Week 3: Make a pop and basic HTML Backend.