Brief intro about the project

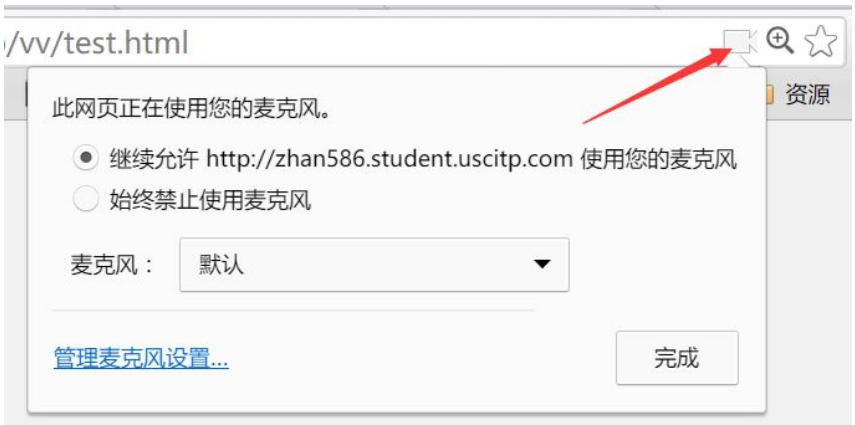
A prenten to be intelligent voice assistant that shows any images and songs you ask, with voice feedback and sortable/draggable layout.

Set Up

***Please use Chrome to test this project, and the voice input does not work locally, need to use online version.**

*It may takes sometimes to load in first time, and allow the use of microphone for this website.

*If the page did not ask for the permission, please click on the video icon in the search box.



Customization:

1. Integrated Bing image search API, Annyang voice input API, Voice output functions, and iTunes API together.
2. Manipulation on draggable and sortable layout, able to add/delete given cards (DOM/JS objects).
3. Customization on html5 music player, having a disk with dynamic album image, spinning correspond to pause and play.
4. UI polish: shadow/transparent on card, overall color scheme, animation of card and album disk.

Design:

1. Content from API. (Images from Bing and music from iTunes)
2. There is user input, mainly by voice input.(Or can be directed type in when in Dev mode.) Interpreted as string, pass to API. API does the validation part.

Dynamic HTML (DHTML) / Interactivity:

1. Dynamic, since all the card(images) shown are dynamically generated. Also the position and transparence of other objects also changes.
2. Interactive through voice input, and drag cards.

JSON API:

1. Core API is Bing image search API.
2. Custom parameters are the keywords that get from user input and results count and language.
3. Intelligent voice assistant should be able to show images upon request.

Extras:

1. **JS and DOM Objects**. In order to dynamically add/delete card on site. Needed for the user interaction and presentation.
2. **Timer**. When delete card, let fadeOut complete.And wait till music start to activate animation. Partially for logic, partially for UI.
3. **JS/jQuery Plugin**: annyang(Voice input),jGravity(Easter Egg), jquery-ui(Draggable),isotope(Sortable), responsive_voice(Voice output), self made helper plugin to track user keyboard input. Those plugins are used mostly for better UX and add playfulness.

Demo Site:

*voice input function only works on webpage, not locally.
http://zhan586.student.uscitp.com/itp301/Assignment/final/

Input Example:

Type WSADBABA

- (kinda resemble the Konami cheat code)show Dev panel. So that people can directly test some of the functionalities without using voice input.

Show me a dog

- Wild dog appears.
- Or type ‘Dog’ in the input field, and click [Add Image] button in Dev Mode.

Show me a dog

- Repeat to show that same instruction can have different results.
- *There are only 1/10 chance to get same image.

Show me a cat (*special case, this one will only be activated through voice input)

Show me the father of Jaime Lannister

- Demo that this works for compound sentence.

Avada Kedavra!

- And… it even works for spells/non English
- *Also will get a warning from Ministry of Magic

“Mirror mirror on the wall, who’s the fairest of them all?”

- Behold the man! Zune appears…

Play Me *Viva La Vida

- Show that this works with any song names
- The spinning disk is made by me.

*(While music is playing)

Music Pause

- Show that we can pause the music/stop the spinning disk.

Music Play

- Back to playing

*(Wait music will finish play in about 15 seconds. Animation for disk back)

“Delete first/last/all”

- Delete and sort existing cards.

Easter Egg:

- Konami Code (in this case, type ‘wsadbaba’ or say ‘cheat mode’. Dev panel will appear/disappear.)
- Falling down(voice input, or click ‘Become Newton’ button)
- Restore(voice input, or click ‘restore’ button)