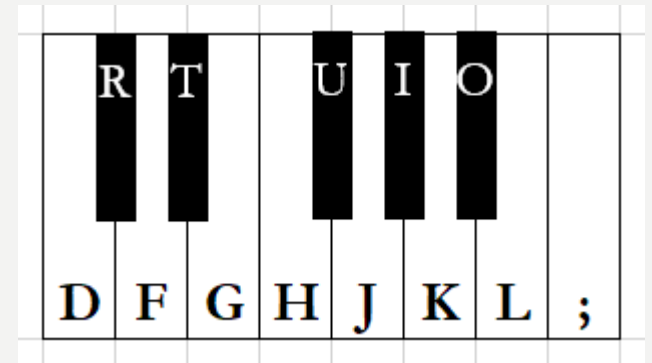# WEB AUDIO

AIST2010 LAB 4

BASIC WEB DEVELOPMENT

- Use the attached HTML file which contains some basic UI elements
  - Edit it using your favourite text editor (e.g. VS Code)
  - View it using Google Chrome
    - Press **F12** or **Ctrl+Shift+I** and choose *Console* to see errors
- You are not required to beautify your page, but you can do so if you feel the need

A PIANO WITH YOUR KEYBOARD

- Create a simple **synth** using Tone.js
  - Tone.js is preloaded with the given HTML file
- Using **document.addEventListener()**
  - Catch these keys and play the pitch

CHANGING THE OSCILLATOR TYPE

- Look at this API documentation

  - https://tonejs.github.io/docs/13.8.25/Synth

- Using the keys in the row of ZXCV…

  - Set key events to allow user to change the oscillator type

  - Document this in the HTML file

    - What keys corresponding to what type

LAB EXERCISE FOR SUBMISSION

- Create a keyboard piano in HTML
  - Allow user to change the oscillator type
  - Add one more feature yourself!

- Submit your **Lab 4 exercise** as:
  - HTML file with clear user guidance

to Blackboard
  - On or before Oct 21 Monday 23:59