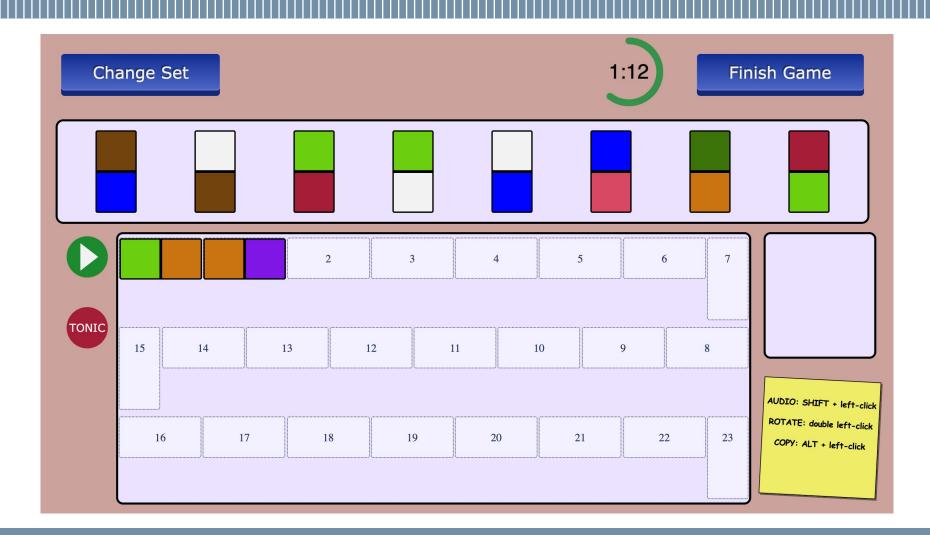


### DòReMino

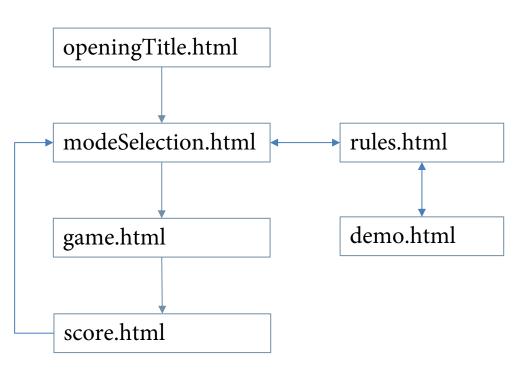
melodic game

# HOW TO PLAY basic infos



# PROJECT STRUCTURE HTML pages





### PROJECT STRUCTURE Parcel

melodyEvaluator.js

table.js

sound.js

timer.js



modules

#### **AUDIO FEATURES**

#### Tone.js

```
export const synth = new Tone.Synth().toDestination();
const poly = new Tone.PolySynth().toDestination();
const pluck = new Tone.PluckSynth().toDestination();
const membrane = new Tone.MembraneSynth().toDestination();
const metal = new Tone.MetalSynth().toDestination();
```

- triggerAttackRelease
- creation of synths for ambiental sounds

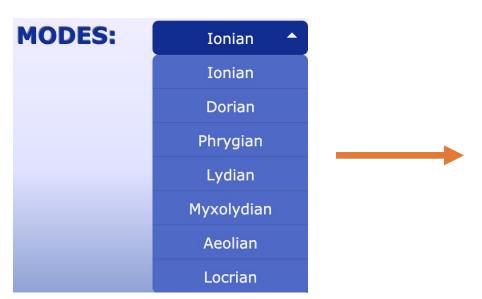
sound.js

```
export function play_melody(result){
    let time = 0;
    const now = Tone.now()
        for(let i=0; i<result.length; i++){
            let grade = result[i];
            let index = searchForNote[0].indexOf(grade);
            let note = searchForNote[1][index];
            synth.triggerAttackRelease(note, "8n", now + time);
            time += 0.5;
    }

export const searchForNote = [[-6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12],
    ["F#3", "G3", "G#3", "A3", "A#3", "B3", "C4", "C#4", "D4", "D4", "E4", "F4", "F4", "G4", "G#4", "A4", "A#4", "B4", "C5"]];</pre>
```

## THE GAME before starting

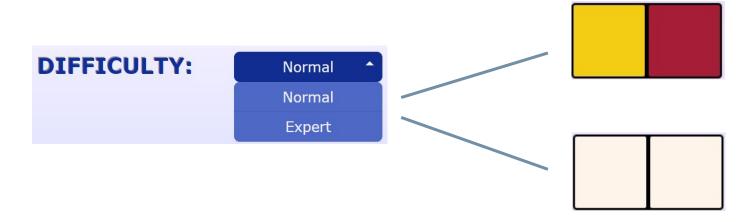




```
switch(mode) {
  case "Ionian":
    grades = [-5, -3, -1, 0, 2, 4, 5, 7, 9, 11, 12]
    break;
  case "Dorian":
    grades = [-5, -3, -2, 0, 2, 3, 5, 7, 9, 10, 12]
    break;
  case "Phrygian":
    grades = [-6, -4, -2, -0, 1, 3, 5, 7, 8, 10, 12]
    break;
  case "Lydian":
    grades = [-5, -3, -1, 0, 2, 4, 6, 7, 9, 11, 12]
  case "Myxolydian":
    grades = [-5, -3, -2, 0, 2, 4, 5, 7, 9, 10, 12]
  case "Aeolian":
    grades = [-5, -4, -2, 0, 2, 3, 5, 7, 8, 10, 12]
  case "Locrian":
    grades = [-6, -4, -2, 0, 1, 3, 5, 6, 8, 10, 12]
```

### THE GAME domino tile

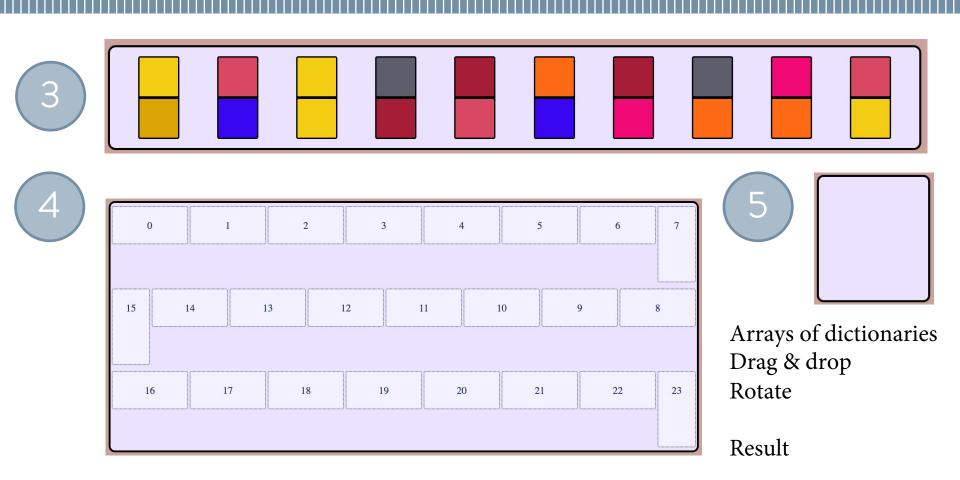




- The domino tile has two parts, called upper and lower tile;
- A **grade** is randomly associated to each part;
- To each grade are associated a color and a note;
- A dictionary is created for each tile.

#### THE GAME

#### dominos set



### THE GAME Tips in game – final scoring

- 6
- advise when an action is not permitted
- provide tips to create a nicer melody

Remember you can rotate the tile!



- receive "result"
- evaluation system of the melody ( "finalEvaluateMelody" function)
- gives a % score
- provides comments on the melody
- allows to play the melody



Repository: <a href="https://github.com/Giemme13/DoReMino.git">https://github.com/Giemme13/DoReMino.git</a>

Game link: <a href="https://giemme13.github.io/DoReMino/openingTitle.html">https://giemme13.github.io/DoReMino/openingTitle.html</a>

Demo video: <a href="https://youtu.be/DPyeD5LiCds">https://youtu.be/DPyeD5LiCds</a>

#### **DEMO**