Week 11-12 Mini-animation assignment

As you have seen from the project, the topic I have studied more is about creating an animation by using p5.Amplitude(); (need to import the p5.sound as a library) an object that will listen to a specific sound that the user specifies by calling the getLevel(); function. By default, it will measure the volume between 0 and 1 which can be used when plotting an amplitude (Moving mouth and Micro bug), and the last one is moving eyes that deals with arc(); and angleMode(DEGREES); it will check the given condition in order to verify that it is time for opening or closing his eyes. I got the inspiration from the character named 'Kaonashi', in Spirited Away.





Source Codes:

```
function preload()
 BG = loadImage("twilight_full.jpg");
 song = loadSound("Always_With_Me.mp3");
 microbug = loadImage("microbug.png");
function setup()
 createCanvas(400, 600);
 createBtn();
 amp = new p5.Amplitude();
function draw()
 var c;
 background(BG);
 noStroke();
 c = color(0);
 fill(c);
 rect(47,350,298,300);
 c = color(0);
 fill(c);
 ellipse(195, 300, 310, 430);
 c = color(237, 231, 222);
 fill(c);
 ellipse(195, 300, 250, 350);
 c = color(251, 245, 236);
 fill(c);
 ellipse(195, 300, 230, 350);
```

```
c = color(171, 141, 169);
fill(c);
ellipse(260, 210, 25, 45); // above
ellipse(130, 210, 25, 45);
ellipse(260, 350, 35, 80); // below
ellipse(130, 350, 35, 80);
c = color(0);
fill(c);
angleMode(DEGREES);
arc(130, 260, 35, 25, 270+a, 270-a, CHORD);
arc(260, 260, 35, 25, 270+a, 270-a, CHORD);
if((check == true) && (a <= j))</pre>
else if (a > k)
  check = false;
else if (a == k)
  check = true;
ellipse(130, 290, 35, 10); // small eyes
ellipse(260, 290, 35, 10);
stroke(0);
strokeWeight(5);
fill(c);
```

```
getHistory();
 noStroke();
 c = color(255);
 fill(c);
 microbug.resize(140, 200);
function createBtn() {
  button = createButton(
    "<img style='width: 50px' src='https://i.imgur.com/kWCTvXJ.png'/>");
  button.mousePressed(playSong);
  button.style("background", 0);
  button.style("border", 0);
  button.position(160, 600);
function getHistory() {
 var vol = amp.getLevel(); // 0 - 1
 ellipse(width / 2, 400, 100, vol * 200);
 image(microbug, 150, 430+(vol*100));
function playSong() {
 if (!song.isPlaying()) {
   song.play();
   song.setVolume(1);
   button.html( // Stop button
 "<img style='width: 50px' src='https://i.imgur.com/5moWJVX.png'/>");
```