**WhiteHat Jr**
Live Online Coding for Kids

# PERSONAL WEBSITE

**What we did:**
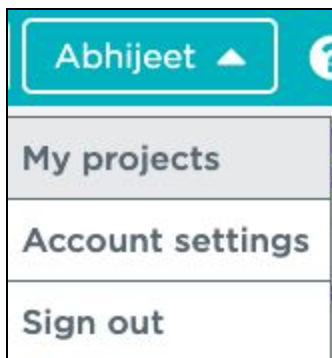Build and host a personal portfolio website.

**How we did it:**
**Code.org projects:**
**Applab:**
You can easily embed apps created on code.org as the website has an embed functionality just like the youtube videos.

1.Login to code.org and goto projects section.

Abhijeet ▲

My projects

Account settings

Sign out

2.Now Open the AppLab Project you want to embed on your website and click the share

Share button.

Now click on the Show advanced options

2. Click on Embed option and uncheck the hide to view code as we don't want users to see the code of the app.



Now select the entire code and paste in the index.html document under section=app.
in **index.html**

```
12 ▼  <section id="app">
13     <h1>Apps</h1>
14     <div class="line"></div>
15     <iframe width="400" height="620"
       style="border: 0px;"
       src="https://studio.code.org/projects/applab
       /AmAIOlod-
       80aGvVFcBdbfjebPGUlVaYjI8ECZcJtZks/embed">
       </iframe>
16     <iframe width="400" height="620"
       style="border: 0px;"
       src="https://studio.code.org/projects/applab
       /U9AQsuLnTixFr5caYUBM9qmkuaPCvmuWblFMcUPrC14
       /embed"></iframe>
17     </section>
```

So here I have copied the embed code from two apps and pasted it in the section. You will see here the tag iframe is used to embed that's because iframe tag is used to display the content of another HTML page on our page. So embedding means using iframe tag to display a third party HTML content.
you will have to increase the width=400 if required.

**CSS-**

```
#app {
    width: 100%;
    height: 800px;
    background-color: aliceblue;

}
```

We are referring section with **id="app"** so this CSS will be applied to the app section.
➔ **Width:100%**
It will give the app's section width of 100% means to fit the whole screen

➔ **height : 800px;**
Means we are giving a fixed height to this div
➔ And we are giving a **background-colour** of **aliceblue**.

**Common CSS of div with class="line"**

This div and css is used to make a link below the heading of div like App, Game, ChatBot

```css
.line {
    height: 6px;
    background-color: #000;
    width: 70px;
    margin: 8px auto;
}
```

➔ **height:6px;**
  It will give a height of 6px

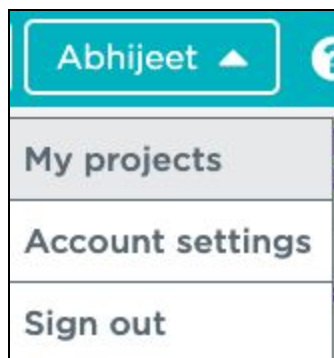➔ Change **background-colour** to **black**

➔ Make **width** to 70px

➔ **margin: 8px auto**
  It means it will give 8px margin on top and bottom. And auto margin on left and right which means it will get it in the centre of the page.

Now, let's see how can we embed your Games/Animations you created in the code.org account.
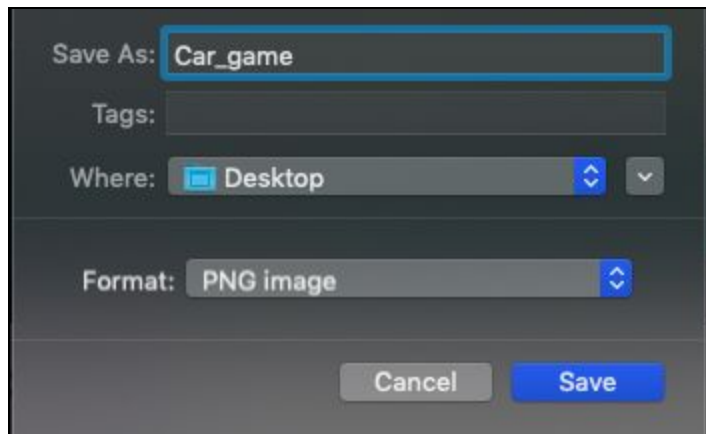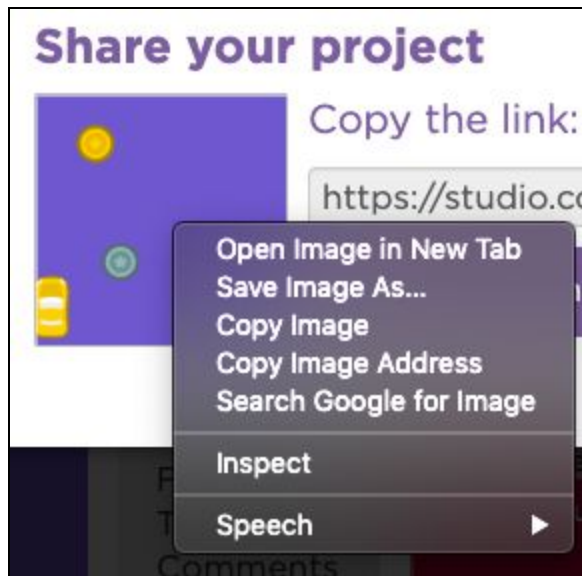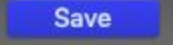
**Spritelab**
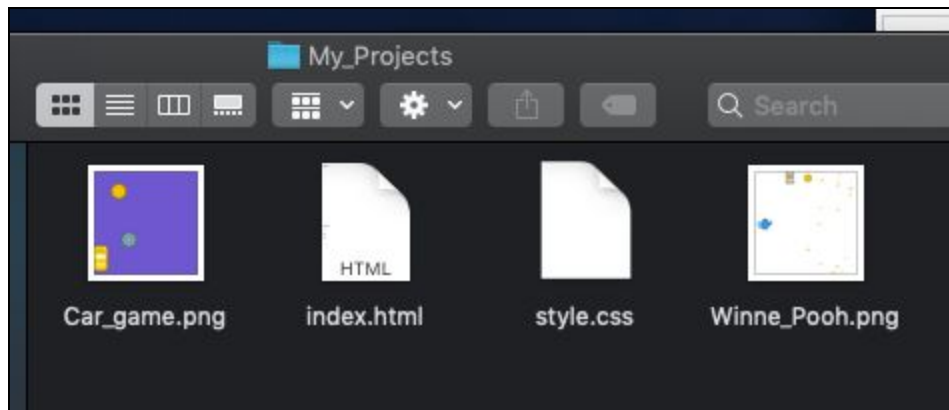1. Again, go to My Projects section on code.org and open any sprite lab project you want to embed.



2. Click  and you will get a pop-up with your project link. You will see that there are no advanced options available here that means we cant get a pre-generated HTML code to embed this project so for that we are going to show the image of this project on our website which when the user clicks directs the user to this game.

3. Right Click on the project image and choose the option **Save Image As...**





and **Save** the image of this project.

3. Copy this image to your website folder where all your index.html, syle.css and main.js files are located.

4. Once we have saved the images into our website folder lets copy the project link.

**in index.html**

```
19 ▼ <section id="game">
20
21    <h1>Games</h1>
22    <div class="line"></div>
23 ▼ <a
       href="https://studio.code.org/projects/sprit
       elab/crU2BKaKuZdBv0pE0Dfc8QYCea51ibAqodZdehm
       NTKg" target="_blank">
24       <img src="Car_game.png">
25    </a>
26 ▼ <a
       href="https://studio.code.org/projects/sprit
       elab/nT4Dxpv8z3SA18sUwa31AvxC8ZbVPAwShLyvqNf
       EHUk" target="_blank">
27       <img src="Winne_Pooh.png">
28    </a>
29
30    </section>
```

Here this section id is game and we have used the <a> anchor tag to hyperlink the game image. This is really amazing. You can hyperlink an image if you include the <img> tag into the <a> tag.

So here the <a> anchors or hyperlinks the <img>, so when the user clicks on the image the user is taken to the link provided in the <a> tag.

Also, we have set one more property to the anchor tag that is the target is set to blank to open link in a new tab and not on the same tab where our website is.

**CSS of Game section -**

```
#game{
    width: 100%;
    height: 800px;
    background-color:lightcoral;

}
```

We are referring div one with **id="game"** so this CSS will be applied to the game section.
➔ **Width:100%**
   It will give the game's div a width of 100% means fit the whole screen

➔ **height : 800px;**
   Means we are giving a fixed height to this div

➔ And we are giving a **background-colour** of **lightcoral**.

**CSS of img tag**

```
img {
transition: transform .2s;
}
```

**Transitions** allow you to change property values smoothly, over a given duration. Here the duration is 2s

```
img:hover {
    transform: scale(0.9);
}
```

The scale() method increases or decreases the size of an element.
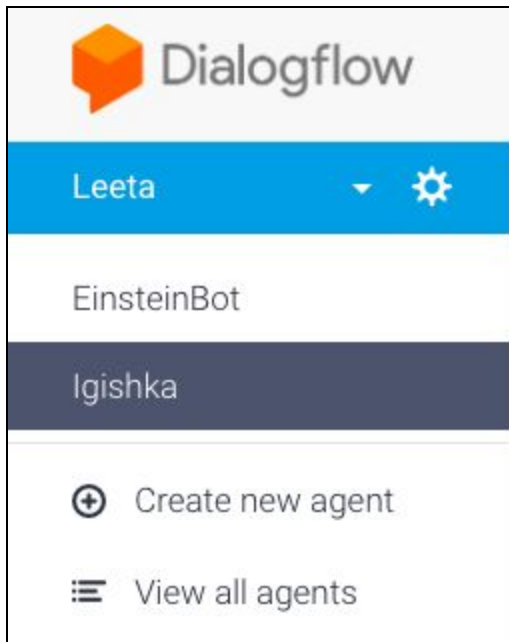On img hover, the img size will decrease.

Similarly, you can download thumbnail images for artistlab and other labs and link your art projects in the same way.

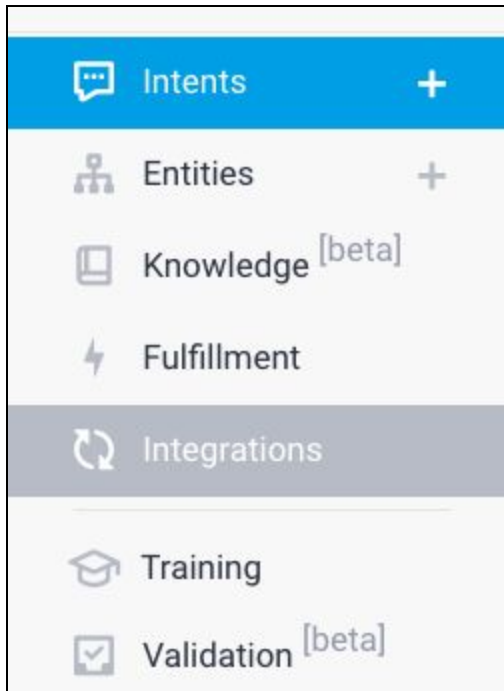Now let's do something cool.
Let's embed your chatbot.
**Chatbot**

1. Go to Dialogflow and click **Go to console**
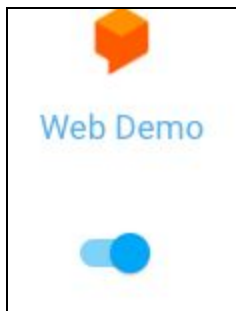
2. Select the chatbot you want to embed.

3. Go to **Integrations**

4.Click on WebDemo and make sure it is enabled.



5. Now from the pop-up console Copy the iframe code and paste it in your section=chatbot.

## Web Demo

Test the agent on its own page. Share the link to the page or embed the ` widget in other websites to get more conversations going. More in documentation.

https://bot.dialogflow.com/82e2fc96-1906-4bd8-a9d2-84a17f04ea54 ✏

Add this agent to your website by copying the code below:

```
<iframe
    allow="microphone;"
    width="350"
    height="430"
    src="https://console.dialogflow.com/api-client/demo/embedded/82e2f
c96-1906-4bd8-a9d2-84a17f04ea54">
</iframe>
```

CLOSE

in **index.html**

```
32 ▼      <section id="Chatbot">
33            <h1>ChatBot</h1>
34            <div class="line"></div>
35    <iframe
36        allow="microphone;"
37        width="350"
38        height="500"
39        src="https://console.dialogflow.com/api-
          client/demo/embedded/82e2fc96-1906-4bd8-
          a9d2-84a17f04ea54">
40    </iframe>
41
42
43
44        </section>
```

Great.you can increase the size of your chatbot height=500px if required.

**CSS of chatbot div-**
The CSS remains the same for this div as other two divs

```
#Chatbot{
    width: 100%;
    height: 800px;
    background-color:lightcoral;

}
```

Great, so this is how you can embed all your projects on your website. I would like you to embed as many projects on your website you can.

**What's next:** In the next class, we'll work on completing the personal portfolio website.


## EXTEND YOUR KNOWLEDGE

Here are some Best References we've compiled together to enhance your knowledge and understanding of the concepts we learnt today in the class. This will help you become pro at coding and creating industry-grade tech products!

**Short Videos:** Watch these Short Videos to understand the application of the concepts learned in class in real-world applications.



https://www.youtube.com/watch?v=_hus1hVa_xU

https://www.youtube.com/watch?v=JtrS_DDAUQs



https://www.youtube.com/watch?v=VF5kD6QEEag

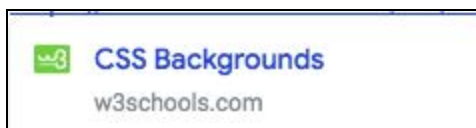**Coding Playground:** Try out these code examples to get more practice in making Websites and Playstore ready apps.



https://www.w3schools.com/tags/tag_a.asp



https://www.w3schools.com/tags/tag_img.asp



https://www.w3schools.com/css/css_background.asp