Project 140

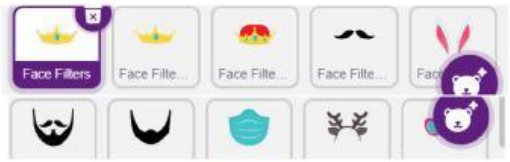
DP EDUCATION

Coding School

LIVEWORKSHEETS

❖ First, create the sprite needed to create the Face Filter app.

❖ For that, first click on choose sprite and add the below images as 10 sprites as below



❖ Let's set the values and size for X and Y Position of those 10 sprites as follows.

For the first collected Queen's crown

- X position = 0
- Y position = 0
- Size = 8

For the second Queen's crown

- X position = 180
- Y position = 100
- Size = 50

For King's crown

- X position = 180
- Y position = 40
- Size = 50

For Mustache

- X position = 200
- Y position = 40
- Size = 50

For Bunny Ears

- X position = -175
- Y position = 25
- Size = 50

For Black Beard

- X position = 200
- Y position = -30
- Size = 50

For Black Beard

- X position = 200
- Y position = -30
- Size = 50

For Beard 2

- X position = 200
- Y position = -100
- Size = 50

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For Face Mask

- X position = -175
- Y position = -80
- Size = 50

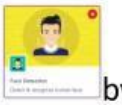
For Deer

- X position = -175
- Y position = -50
- Size = 50

For Heart Goggles

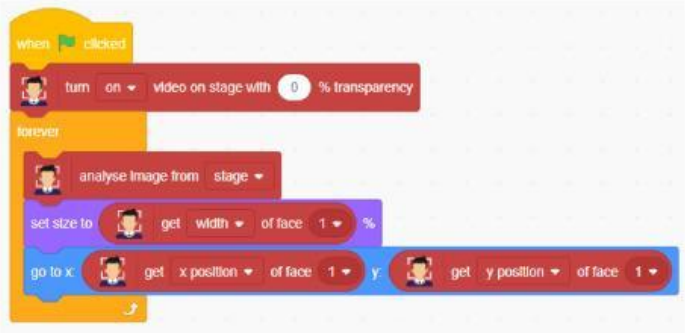
- X position = -175
- Y position = -170
- Size = 50

❖ Now let's prepare the code for the Face Filter app.

❖ For that, add the face detection extension  by clicking on Add extension

❖ Prepare the code as follows for the sprite of the Queen's crown which is added first.

- When you click on the green flag, the camera will continue to analyze your face and set the X and Y positions of the face to set the face size.



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- Let's prepare the code to change the sprite according to the received message. For that, the code can be prepared as follows.
- If the message you receive is a face mask, you should receive the Face Mask sprite.

- If the message you receive is Queen's crown, you should receive the Crown1 sprite.

- If the message you receive is king's crown, you should receive the Crown2 sprite.

- If the message you receive is Deer ears, you should receive the Deer sprite.

- If the message you receive is Rabbit ears, you should receive the Bunny Ears sprite.

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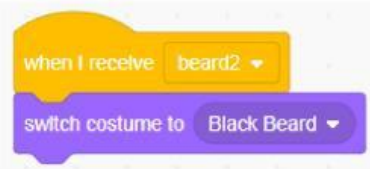
- If the message you receive is beard1 then you should receive the Mustache sprite.

- If the message you receive is beard2, you should receive the Black Beard sprite.



- If the message you receive is beard3 then the Beard2 sprite should be received.

- If the message you receive is heart, you should receive the Heart Goggles sprite.

❖ Prepare the code as follows for the sprite of the Queen's crown which is added for the second time.

- When you click on the green flag, adjust the size of the Queen's crown that is added for the second time to 50%.

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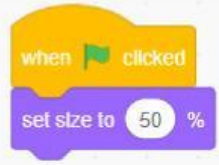
- Set the code to receive a message as Queen's crown when you click on the second added Queen's crown

❖ Prepare the code for the King's crown sprite as follows.

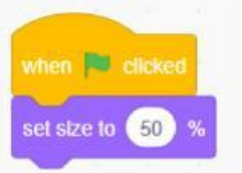
- When you click on the green flag, adjust the size of the King's crown that is added for the second time to 50%.



- Set the code to receive a message as King's crown when you click on the King's crown

❖ Prepare the code for the Mustache sprite as follows.

- When you click on the green flag, adjust the size of the Mustache that is added for the second time to 50%.



- Prepare the code to receive a message as beard1 when the mustache is clicked.

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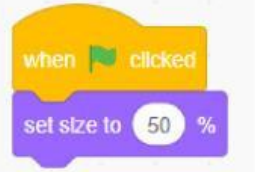
❖ Prepare the code for the Bunny Ears sprite as follows.

❖ When you click on the green flag, adjust the size of the Bunny Ears added for the second time to 50%.

- Prepare the code to receive a message as Rabbit ears when you click on Bunny Ears.

❖ Prepare the code for the Black Beard sprite as follows.

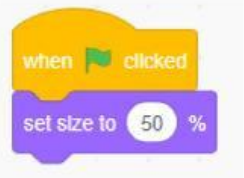
- When you click on the green flag, add it a second time and adjust the size of the Black Beard to 50%.



- Prepare the code to receive a message as beard2 when the Black Beard is clicked.

❖ Prepare the code for the Beard2 sprite as follows.

- When you click on the green flag, adjust the size of Beard2, which is added for the second time, to 50%.



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- Prepare the code to receive a message as beard3 when beard2 is clicked.

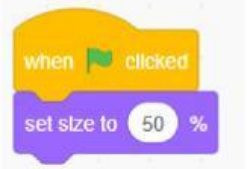
❖ Prepare the code for the Face Mask sprite as follows.

- When you click on the green flag, adjust the size of the second face mask to 50%.

- Prepare the code to receive a message as a face mask when you click on the face mask.

❖ Prepare the code for the Deer sprite as follows.

- Adjust the size of the Deer sprite added for the second time to 50% when you click on the green flag.



- Prepare the code to receive a message as Deer ears when clicked on the Deer.

❖ Prepare the code for the Heart Goggles sprite as follows.

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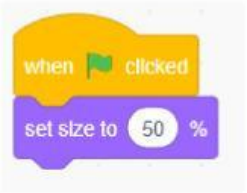
- When you click on the green flag, adjust the size of the Heart Goggles sprite that is added for the second time to 50%.



- Prepare the code to receive a heart message when the Heart Goggles sprite is clicked.

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