

# Detecting Collisions

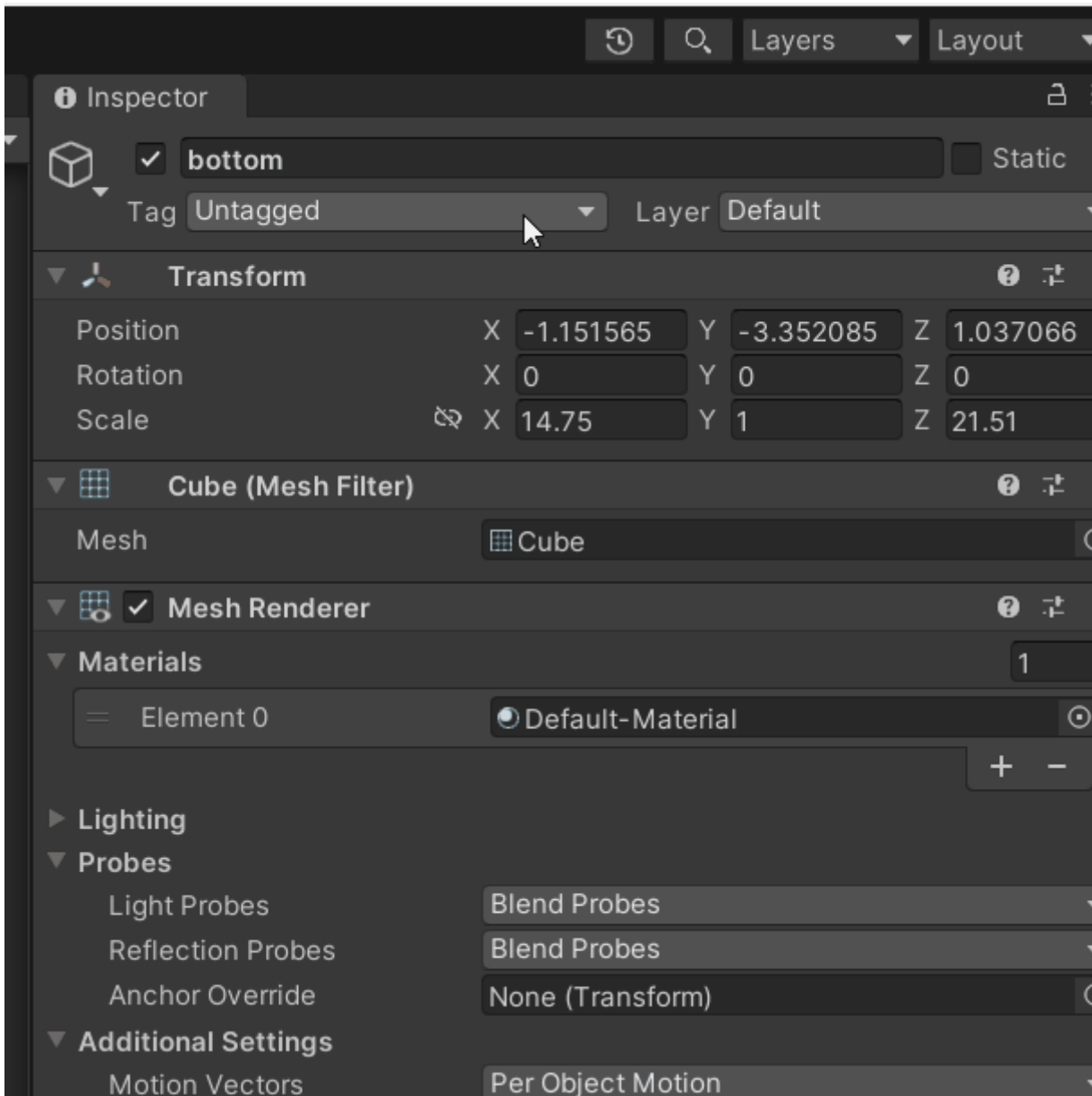
The `OnCollisionEnter` method can be used to detect a collision of a `GameObject` with another `GameObject`. In this example we are also using the `GetComponent<Renderer>()` method to access the object's renderer component, which controls its visual appearance.

We create a new script with the name `ChangeColorOnCollision`.

Add the following code to the script:

```
public class ChangeColorOnCollision : MonoBehaviour {  
    private Renderer objectRenderer;  
    public Color newColor;  
  
    void Start() {  
        objectRenderer = GetComponent<Renderer>();  
    }  
  
    void OnCollisionEnter(Collision collision) {  
        if (collision.gameObject.tag == "wall") {  
            objectRenderer.material.color = newColor;  
        }  
    }  
}
```

In the Inspector tag the obstacle - in our case our frame as 'wall'



Revision #4

Created 11 April 2023 00:41:34 by Laura Wagner

Updated 11 April 2023 00:55:48 by Laura Wagner