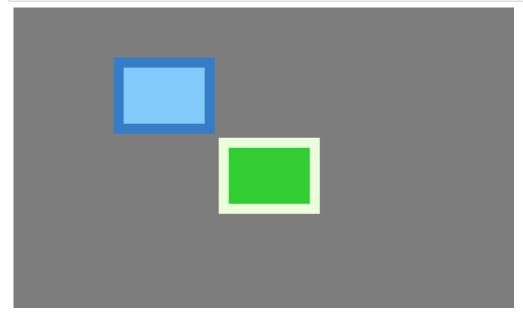
```
In [1]: from IPython.display import Image as dis_image
    from IPython.display import display
    from PIL import Image, ImageDraw
    import numpy as np
```

14.1. Доорх зургуудийг Pil ашиглан зур.

```
In [2]: img = Image.new('RGB', (500, 300), (125, 125, 125))
draw = ImageDraw.Draw(img)

draw.rectangle((100, 50, 200, 125), fill=(130, 202, 250), outline=(53, 126, 199),
draw.rectangle((205, 130, 305, 205), fill=(50, 205, 50), outline=(236, 255, 220),
display(img)
```



14.2. Доорх зургуудийг Thumbnails болгож, хооронд 2 хос үүсгэж нэгтгэ.

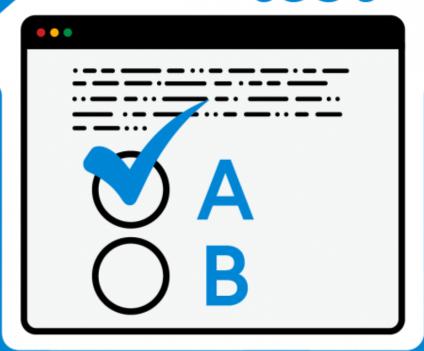
```
In [3]: | image1 = Image.open('./assets/images/cat.jpg')
        image2 = Image.open('./assets/images/dog.jpg')
        image3 = Image.open('./assets/images/horse.jpg')
        image1 = image1.resize((426, 240))
        image2 = image2.resize((426, 240))
        image3 = image3.resize((426, 240))
        image1 size = image1.size
        image2_size = image2.size
        image3_size = image3.size
        new_image1 = Image.new('RGB',(2*image1_size[0], image1_size[1]), (250,250,250))
        new_image1.paste(image1,(0,0))
        new_image1.paste(image2,(image1_size[0],0))
        new_image1.save("./assets/images/merged_image.jpg","JPEG")
        new_image2 = Image.new('RGB',(2*image1_size[0], image1_size[1]), (250,250,250))
        new_image2.paste(image1,(0,0))
        new_image2.paste(image3,(image1_size[0],0))
        new_image2.save("./assets/images/merged_image.jpg","JPEG")
        display(new_image2)
```



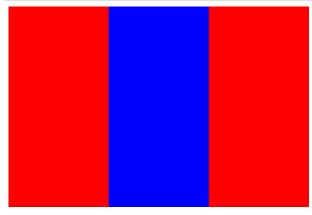
14.3. Дурын JPG зураг оруулж, зургийн өргөтгөлийг PNG болгон өөрчил.

```
In [4]: img = Image.open(r'./assets/images/test.jpg')
    img.save(r'./assets/images/test.png')
    display(dis_image(filename='./assets/images/test.png'))
```





## 14.4. Монгол улсын төрийг далбайг Numpy массив ашиглан бүтээ.



```
In [ ]:
```