Stable Diffusion

Web UI API

Run the web UI with:

`./webui.sh --api`

Example Python Script

```
import webuiapi



# create API client
api = webuiapi.WebUIApi()

# create API client with custom host, port
#api = webuiapi.WebUIApi(host='127.0.0.1', port=7860)

# create API client with custom host, port and https
#api = webuiapi.WebUIApi(host='webui.example.com', port=443, use_https=True)

# create API client with default sampler, steps.
#api = webuiapi.WebUIApi(sampler='Euler a', steps=20)

# optionally set username, password when --api-auth=username:password is set on webui.
# username, password are not protected and can be derived easily if the communication channel
is not encrypted.
# you can also pass username, password to the WebUIApi constructor.

result1 = api.txt2img(width=512,height=768,
                    prompt="Morgan Freeman in star wars jedi robe",
                    negative_prompt="ugly, out of frame",
                    seed=1003,
```

```
                    styles=["anime"],
                    cfg_scale=7,
                    steps=30,
#                       sampler_index='DDIM',
#                       steps=30,
#                       enable_hr=True,
#                       hr_scale=2,
#                       hr_upscaler=webuiapi.HiResUpscaler.Latent,
#                       hr_second_pass_steps=20,
#                       hr_resize_x=1536,
#                       hr_resize_y=1024,
#                       denoising_strength=0.4,
                    alwayson_scripts = {
                        "ADetailer": {
                        "args": [
                            {
                            "ad_model": "face_yolov8n.pt"
                            }
                        ]
                        }
                    }
                    )

result1.image.save("out.png")
```

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