

## Instruction for temporary deployment of NemaRec

### Step one: Run the file *backend.py*

```
cpu
the model is loaded
* Serving Flask app "__main__" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off

* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

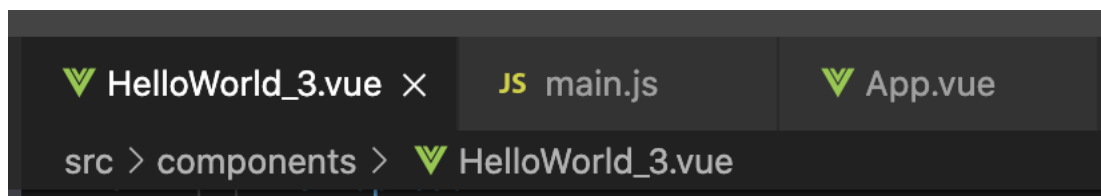
```
import io
import json
import torch
import torch.nn as nn
from torchvision import models
import torchvision.transforms as transforms
from PIL import Image
from flask import Flask, jsonify, request
from flask_cors import CORS
```

Figure 1 Note that these packages must be installed in advance on the local PC

```
UPLOAD_FOLDER = '/Users/wangyihao/Desktop/z/' #我们上线的时候用server
```

The directory of the folder from which the backend reads file can be changed to a local one

Step two: Unzip and open the *dist.zip* with Visual Studio Code and make sure these files are under the same path



Step three: Type *npm run serve* in the command window

```
▼ HelloWorld_3.vue X JS main.js ▼ App.vue
src > components > ▼ HelloWorld_3.vue
30 | v-loading="showLoading"
31 | :action="uploadAPI"
32 | :multiple="true"
33 | :auto-upload="true"
34 | list-type="picture-card"
35 | :on-success="on_progress"
36 | >
37 | <div>upload_and_submit</div><!-- 改名字-->
38 | <!-- asdasda -->
39 | </el-upload>
40 | </div>
41 | </template>
42 |
43 |
44 | <script>
45 | export default {
46 |   name: 'HelloWorld',
47 |   props: {
48 |     msg: String
49 |   },
50 |   data(){
51 |     return {
52 |       uploadAPI: 'http://127.0.0.1:5000/upload', //等域名来了再改
53 |       showLoading: false,
54 |       spObjectPool: [],
55 |       nameCount: {},
56 |       feedingTypeCount: {},
57 |       total_cp: 0,
58 |       total_ppi: 0,
59 |     }
60 |   },
61 |   methods: {
62 |     mapNameIntoObj(name){
63 |       // ...
64 |     }
65 |   }
66 | }
67 |
```

TERMINAL DEBUG CONSOLE PROBLEMS OUTPUT

```
wangyihao@MacBookPro: ~/nema % npm run serve
> nema@0.1.0 serve /Users/wangyihao/nema
> vue-cli-service serve

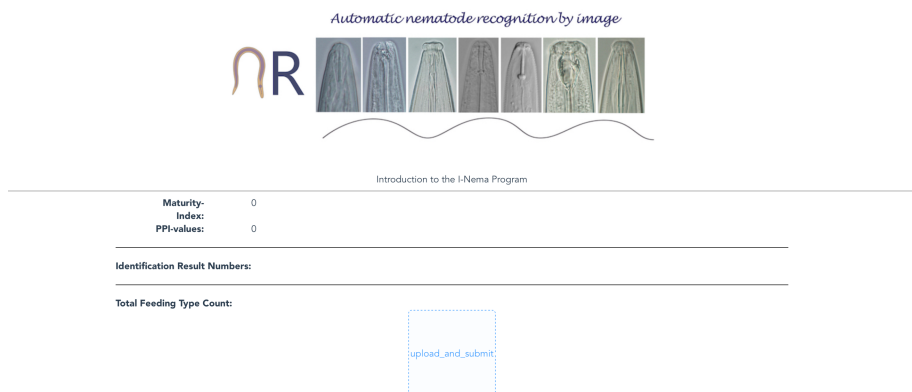
[INFO] Starting development server...
98% after emitting CopyPlugin

[DONE] Compiled successfully in 3187ms

App running at:
- Local: http://localhost:8080
- Network: http://192.168.50.138:8080

Note that the development build is not optimized.
To create a production build, run npm run build.
```

Step four: Hold *Command* key and hover the cursor on the link *Network*, click and open the link



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