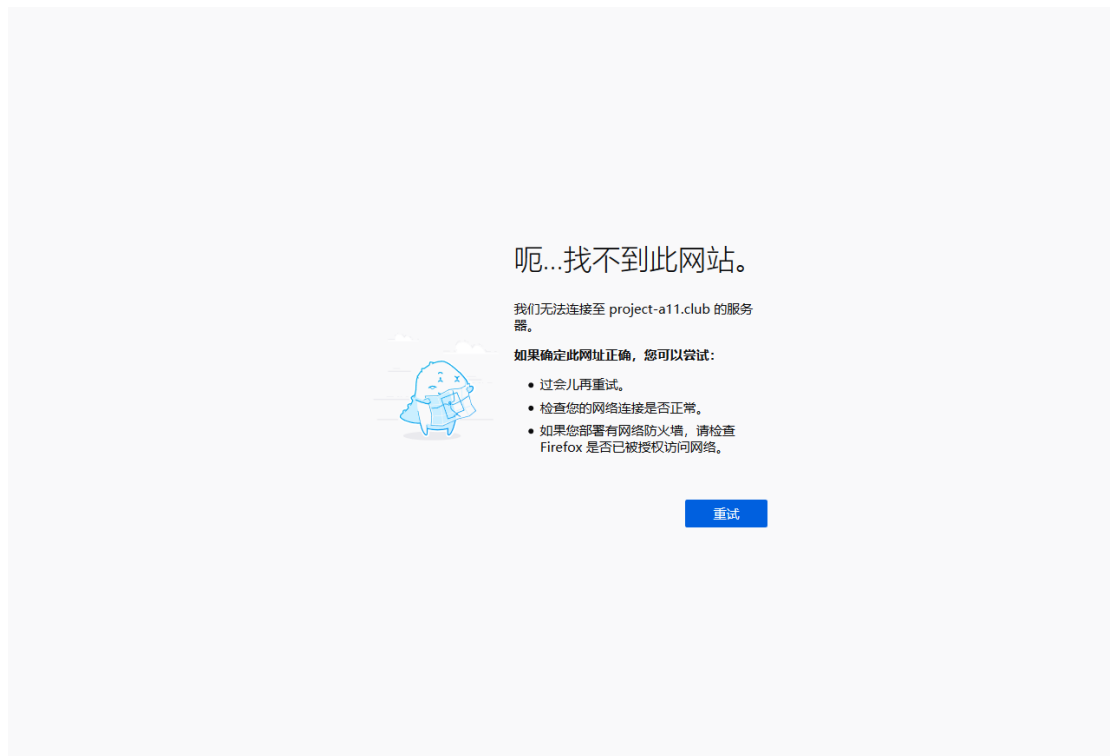


## [Adobie] HGAME 2019 week-2 writeup

### Misc

#### 1. Are You Familiar with DNS Records?

点开题目，进不去…



思来想去，应该不是题目出错吧…再看看题目，是关于 DNS 记录，搜查了相关资料，依然没有找到地方下手，直到几天后 hint 放出，于是在网上找到一个查看 DNS 记录的网站 <http://www.webkaka.com/dns/>。查询不同类型，最后在 TXT 类型中找到 flag。

查询地址: project-a11.club

TXT

```
;; global options: printcmd
.                22483 IN NS h.root-servers.net.
.                22483 IN NS k.root-servers.net.
.                22483 IN NS m.root-servers.net.
.                22483 IN NS f.root-servers.net.
.                22483 IN NS d.root-servers.net.
.                22483 IN NS a.root-servers.net.
.                22483 IN NS b.root-servers.net.
.                22483 IN NS l.root-servers.net.
.                22483 IN NS e.root-servers.net.
.                22483 IN NS i.root-servers.net.
.                22483 IN NS g.root-servers.net.
.                22483 IN NS c.root-servers.net.
.                22483 IN NS j.root-servers.net.
;; Received 800 bytes from 14.18.24.253#53(14.18.24.253) in 46 ms

club.            172800 IN NS ns6.dns.nic.club.
club.            172800 IN NS ns2.dns.nic.club.
club.            172800 IN NS ns3.dns.nic.club.
club.            172800 IN NS ns4.dns.nic.club.
club.            172800 IN NS ns1.dns.nic.club.
club.            172800 IN NS ns5.dns.nic.club.
;; Received 414 bytes from 198.41.0.4#53(a.root-servers.net) in 125 ms

project-a11.club. 3600 IN      NS f1g1ns1.dnspod.net.
project-a11.club. 3600 IN      NS f1g1ns2.dnspod.net.
;; Received 88 bytes from 156.154.156.215#53(ns4.dns.nic.club) in 31 ms

project-a11.club. 600 IN TXT flag=hgame{seems_like_you_are_familiar_with_dns}
project-a11.club. 600 IN TXT v=spf1 include:spf.mail.qq.com all
project-a11.club. 86400 IN NS f1g1ns2.dnspod.net.
project-a11.club. 86400 IN NS f1g1ns1.dnspod.net.
;; Received 207 bytes from 58.247.212.36#53(f1g1ns1.dnspod.net) in 31 ms
```

## CRYPTO

### 2. Vigenere~

题目描述是一道普通的维吉尼亚密码。搜索相关内容，看得头大的时候，偶然发现一个在线破解维吉尼亚密码的网站：

<http://68.168.134.3/vigener/>。

# 维吉尼亚密码在线解密

请输入要加密的明文

请输入要加密的明文

加密

无密钥解密

密钥长度(选填)

有密钥解密

密钥

请输入要解密的密文

请输入要解密的密文

直接将密文粘贴，无密钥解密，得到了 flag。

# 维吉尼亚密码在线解密

请输入要加密的明文

The Vigenere ciphe is a method of encrypting alphabetic text by using a series of interwoven Caesar ciphers, based on the letters of a keyword. It is a form of polyalphabetic substitution. The cipher is easy to understand and implement, but it resisted all attempts to break it for three centuries, which earned it the description le chiffre indechiffable. Many people have tried to implement encryption schemes that are essentially Vigenere ciphers. In eighteen sixty three, Friedrich Kasiski was the first to publish a general method of deciphering Vigenere ciphers. The Vigenere cipher was originally described by Giovan Battista Bellaso in his one thousand five hundred and fifty-one book La cifra del. Sig. Giovan Battista Bellaso, but the scheme was later misattributed to Blaise de Vigenere in the nineth century and so acquired its present name. flag is gfyuytukxariyydfjlpwsxdbzvwqt

加密

无密钥解密

密钥: guess

密钥长度(选填)

有密钥解密

密钥

请输入要解密的密文

Zbi Namyrwj k wnhzk cw s eknlgv uz ifuxstlata edhnufwlow xwpz vc mko h k s kklmwk uz mflklagnkh Gswyuv uavbjk, huwwv uh xzw ryxlwxm sx s qycogxx. Ml ay u jgis ij hgrsedhnufwlow wmtynmlmzcsf. Lny gahnyv ak kuwq lu orvwmxslj urv asjpwekhx, tmz cx jwycwlwj upd szniehzm xg txyec az zsj lnliw ukhxmjoyw, ozowl wsxhiv az nlw vkmgjavnmgt ry gzalzw abiuozozijshfi. Ests twgvli zsb y xjakx xg asjpwekhx wfilchloir kunyqwk zbel sxy ikkkhxasrfc Namyrwj kmh zklw. Af kckzlk yr kadnc lzxyi, Xjoyhjaib Oskomoa ogm xzw lcvkl zi tmtrcwz s myrnw jgf qwlnih gx jygahnyvafm Pmywtyvw uojlwjy. Nlw Noaifwxy gahnyv osy ivayohedde xikuxcfv hs Kagbur Tsznmklg Viddgms af ncw gfk nlgmyurv xopi zmbxvw gh h xalnc-gfk vsgc Ru gaxxu hwd. Yck. Yaupef Tgnxakzu Fwdruwg, tan xzw ywlwek qek dgnij eomellxcfmklx xg Trumkw jy Zaykhijw oh xzw tcrwln wifalc slj ms suwomjwv c xk hxywwfz heew. Ifey ay ajqmenycpglmqqjzndhrqpvh taniz