HITCON 2021 Email Prerequisite 設計文件

Revision History

Version	Revision Date	Author	Content Revised
1.0.0	2021/09/21	Jim Chien	Initial and redefine SPEC
1.0.1	2021/09/22	Jim Chien	Add QRCode section and VIP role
1.0.2	2021/10/17	全全	Update QRcode spec detail
1.0.3	2021/10/25	Jim Chine	Specify Shopee coupon section

1. 需求

1.1 功能性需求

我們希望達成以下需求
- 取得KKTIX 活動資訊（private code, nick name, email, etc.）
- 產出各活動JWT(與online統一secret)
- 寄出信件附有One page link (link map email)

2. Email Template

行政組負責

3. JWT

Follow RFC 7519 (JWT) and RFC 8693 (Oauth 2.0) SPEC

3.1 Attributes

Claim Names	Definition
iss	The "iss" (issuer) claim identifies the principal that issued the JWT.
sub	The "sub" (subject) claim identifies the principal that is the subject of the JWT.
iat	The "iat" (issued at) claim identifies the time at which the JWT was issued. This claim can be used to determine the age of the JWT.
exp	The "exp" (expiration time) claim identifies the expiration time on or after which the JWT MUST NOT be accepted for processing.
scope	由 活動Scope 以及 Role 組合而成 活動Scope: One page & Shop 　　　one_page point_system Hitcon Online 　　　online point_system 煉蠱 　　　kof_server 駭客喵喵 　　　point_system **Role:** 　　　client

	vendor speaker vip admin

- e.g.

  one_page point_system vendor
  one_page point_system client

3.2 Sample

e.g.
```
{
  "iss": "https://hitcon.org",
  "sub": "eea2faf2ec64ae85df1da5a16348f053",
  "iat": 1620203969,
  "exp": 1630425600,
  "scope": "online point_system client"
}
```

4.QRCode

除了 KKTIX 報到用 QRCode 以外其他 QRCode 統一使用 json 格式，根據 optinal field 來決定使用目的

```
{
  "uid": USER_UID,
  "code": 兌換碼,
  "amount": 販賣攤位所使用的兌換額度
}
```

Name	Format
User ID	{"uid": "eea2faf2ec64ae85df1da5a16348f053"}
Redeem code	{"code": "db47d70b-b622-4e50-b401-71af267527a6"}
Payment	{"uid": "eea2faf2ec64ae85df1da5a16348f053", "amount": 300}

5. Shopee Coupon

Need to create Shopee coupons first, and insert them into the database.

Name	Description
Code	Shopee code, e.g. DS2fFW5DSA
Type	e.g. SHOPEE_500, SHOPEE_1000, etc
Uid	The user id who binds this coupon.
Points	The points need to cost. e.g. 2000
Updated Time	The latest updated time.

6. 討論