**Member code (placed on wristbands)**

**Code to be concatenated in the QR code,**

|  |  |  |  |
| --- | --- | --- | --- |
| **Token Identifier** | **Troop** | **Section** | **MemberNumber** |
| M | 007 | B | 001..040 |
|  | 046 | C |  |
|  | 069 | S |  |
|  | 074 |  |  |
|  | 146 |  |  |
|  | 181 |  |  |
|  | 203 |  |  |
|  | 229 |  |  |
|  | 246 |  |  |
|  | 265 |  |  |
|  | 280 |  |  |
|  | 297 |  |  |

**Base Codes (Placed on coins)**

|  |  |  |
| --- | --- | --- |
| **Token Identifier** | **Base Number** | **Point Value** |
| B | 1..20 | -10..030 |

**Database Schema**

**Dbo.MemberDetails**

Lookup table for member details.

* ID – unique identity column
* Troop
* Section
* Member
* Photo
* Name

**Dbo.PointsLog**

Log of every code scanned

* ID – unique identity column
* Date Logged – when the code was scanned into the system
* Troop Number – of the member who scored the points
* Section – of the member who scored the points
* Member Number – of the member who scored the points
* BaseNumber – of the base that awarded the points
* Points – of the base that awarded the points

The premise of the game is that the members are wearing a wrist band with their unique code printed on, explained in the top table, i.e. M280B001, and they collect tokens with base codes on. Each base generally awards either 10 (silver) or 20 (gold) points, but we also have pink cards that have a random amount of points on it (1,3,7,9) in order to mix up the points each member scored, otherwise everyone will have a total that’s a multiple of 10!

**API’s required**

**Points controller**

Post

Add a new entry into the pointslog table

**Parameters**

* Troop
* Section
* MemberNumber
* BaseNumber
* PointsScored

Get

Get the total number of points a member has scored

**Parameters**

* Troop
* Section
* MemberNumber

**Return**

Sum of points from pointslog when filtered to one member

**Member Controller**

Post

Add a new entry into the MemberDetails table

**Parameters**

* Troop
* Section
* Member
* Photo
* Name

Get

Get the name and photo of the member from their wristband

**Parameters**

* Troop
* Section
* MemberNumber

**Front End**

**Points input**

HTML5 QR code scanner

Scan member then all coins

Often multiple coins so needs to remember the current member to be able to be able to scan member then 20/30 coins, avoid scanning member between each coin

Shows name of the member who’s currently logging points, and their picture

**Member input**

Member has a wrist band put on and then goes to someone running this page to have their name input and photo taken

QR code scanner to find out which wristband is on the member, then photo taken

Notes:

remove scout leader

add images directory, use file name to lookup

save to table (remember that codes contain all data, keep tables as flat as possible.

Users table (maybe self serve in the future, would need to think about auth for adding/editing)

**Later: qr scanners**