**NEW SCANNING LOGIC FOR MOBILE APP (With Location)**

New program attribute will be introduced, **pt\_loc\_balance.**

**List of all program node attributes:**

* act
* c
* com\_email
* com\_id – (Previously, CompanyID). This will be replace with Company Location ID.
* com\_name – (Previously, Company Name). This will be replace with Company Location Name.
* com\_phone
* com\_web1
* com\_web2
* coupon\_no
* d
* id
* name
* pic\_back
* pic\_front
* pic\_logo
* pid
* pt\_balance
* pt\_target
* **pt\_loc\_balance –** New. It indicates the current earned points of the user in this program at the specific location.
* rt
* s\_dt
* tagline
* type
* u

**Scenario:**

For example **Program1** (*id=101, pid=’ E3F2’, pt\_target=10*) is being used by 2 different locations, **Location A** (*com\_id=1)*  and **Location B**(*com\_id=2) .*

Now here comes the user who will be using **Program1.**

1. The User will do the first scan with **Program1** at **Location A.** Then, the mobile app process the QRcode, decode it and create a program node, showing below:

<Program *id=”101”*  *pid=”E3F2” name=”Program1” com\_id=”1” com\_name=”Location A” pt\_balance="1" pt\_target="10"* ***pt\_loc\_balance*** *="1"* />

1. Next, the user is at **Location B**, and he plans to scan **Program1**. The logic would be, the mobile app after decoding the QRCode, will do the following algorithm:
   1. It queries program node having ***pid=”E3F2”***  and ***com\_id=”2”*** *(Location B id)*
   2. If found,  ***pt\_loc\_balance* = *pt\_loc\_balance +1***
   3. Else if not found, it creates a new program node like below:

<Program *id=”101”*  *pid=”E3F2” name=”Program1” com\_id=”2” com\_name=”Location B” pt\_balance="1" pt\_target="10"* ***pt\_loc\_balance*** *="1"* />

* 1. It queries again all program nodes having an ***pid=”E3F2”***
  2. If found, ***pt\_balance* = *pt\_balance+1***
  3. The final output of the XMLDB Schema looks like below:

<Program *id=”101”*  *pid=”E3F2” name=”Program1” com\_id=”1” com\_name=”Location A” pt\_balance="2" pt\_target="10"* ***pt\_loc\_balance*** *="1"* />

<Program *id=”101”*  *pid=”E3F2” name=”Program1” com\_id=”2” com\_name=”Location B” pt\_balance="2" pt\_target="10"* ***pt\_loc\_balance*** *="1"* />

***-Where*** *pt\_balance* ***is the total of pt\_loc\_balance of both locations.***

1. If the User, will scan **Program1** again on either of the locations, the mobile app will do the algorithm again stated at No. 2