June 18, 2018

From: Bernie Adams, Systems Integration Specialist

To: Rob Bell, President  
 Precision Time Systems

Subject: Jamaica Hospital Quote

Project Overview:

There are two buildings on the Hospital campus. Certain employees at each building have a monthly badge where they have to pre-pay for parking. Their badge will contain a purse balance.  The agreement at the site is to only deduct from their purse balance once a day, regardless of the number of times they utilize their cards.

There are two different groups of employees.  Each group will have its own Access Profile to allow the easy identification of the cards.

Group 1 - defined to deduct $6 from their purse balance if they use their card at least once during the day.

Group 2 - defined to deduct $8 from their purse balance if they use their card at least once during the day.

Collections of fees and adding of monies to the purse for these employee cards is performed as a separate process by the operator through Smartpark and is not part of this project scope.  Operator will handle the addition of monies to a purse.

Project flow:

On a daily basis (3AM?), a process will execute that will request from SmartPark all of the monthly badge transactions for the previous day. Transactions will be sorted by badge number so activity for a given card is grouped together.

Program will examine the transactions searching for badges that are a part of the groups.

When a card is found to be part of either group, the purse balance for that card will be adjusted accordingly.  All subsequent transactions for that badge will be ignored and the next badge is examined.

Required Tasks:

* Finish design tasks and other discussions
* Application for defining setup parameters
  + TIBA specific authentication and test buttons
  + Email setup and test button
  + Paths to location of deduction log etc.
  + Other parameters as needed
  + Parameters written to an ini or other config file
* Application for defining/mapping the access profiles we are watching and the dollar deduct amount per daily usage
  + Mapping written to a config file
* Nightly application to:
  + retrieve the monthly card transactions for the previous day
  + Find transactions for monthlies for mapped access profiles
  + determine the deduction amount from the access profile
  + log the deduction taken to separate file (deductions\_mmddyy\_HHmm.csv)
    - badge number, deduction amount, ending purse balance
  + end of processing, email the deductions log to interested parties
* Documentation
* Install package
* Remote support for testing, installation and troubleshooting
* 45 days Warranty

Estimated Cost to create application for Jamaica Hospital: $8,250.00.00

Annual remote support fee (after first year): $800.00

If there is a requirement to be on-site for the installation/training, time and materials will be billed separately.  Estimate time and materials cost for up to 3 days on-site: $4,500.00

**QUOTE IS GOOD FOR 60 DAYS FROM THE DATE OF THIS DOCUMENT**

**Accepted by:**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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Signature – Precision Time Systems**