<<Process>> Compute cost

<<Process>> Refund — Compare transaction

<<Process>> Receive Certificate → Verify Token

<<Process>> Store log ← Record log

Database

Notification

<<Process>> Create payment request

2-Assumptions and information, if any, that you needed to develop the solution.

All of the transaction log and entry information are store in a database.

3- Justification of the solution - Argumentation on why/how the solution addresses the problem.

Here we assume that RFID, the Central system, and gate controller are in a single system. Therefore, it makes more sense to have a single database to store all of the data.

4- Alternative solution, if any--this may depend on the assumption

The assumption made here is RFID, the Central system, and gate controller are in a single system.