**Around The Block System Architecture**

**Purpose of this Document:**

To give an overview of how each part of the system interacts with each other. It’s also meant to act as a guide for the implementation of such system.

**System Architecture Breakdown:**

1. **Database Host Server:** This part of the system is responsible for holding all the data of services info, users info, and service managers info.
2. **Application GUI:** This is where the user actually interacts with the system. S/He is allowed to search and browse through different services, find out information about them. S/He also has the ability to review, and rate them.
3. **Application Controller:** Now this part basically connects to the database server; allowing requests and retrieval of data from it. It also processes the input coming from the user through the GUI, and shows the results back through the GUI.
4. **Services Recommendation Unit:** Gathers data about the user through the Application Controller, process it, and gives back services recommendations to what this user may find interesting.
5. **Data Maintenance Unit:** Makes sure that services registered on the system are up to date. It essentially prompts/notifies service managers to update their service status. And for the most part handle exceptions to those who don’t interact.