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Mobile App

GUI

Collect Data

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3

Filter Data

PMM

4

Interface

5

Technical Support Portal

Web Service

7

6

Monitoring

Interface

13

8

Cloud Service

Interface

9

11

Pull Data

Store Data

10

12

Database

1. Sends items to be queried to the cloud service and the cloud service returns the results of the queries.

2. The data collection subsystem sends the data to be filtered to the filter subsystem.

3. The mobile apps sends any data retrieved from the PMM to the collect data subsystem, via blue tooth

4. The filter subsystem sends the filtered PMM data back to the interface, so that it can send it out to be stored.

5. The mobile app interface sends data collected from the PMM and queries to the cloud service via wifi. The cloud service either stores the PMM data or returns query results.

6. The TSP interface communicates with the web service sending query results and receiving query commands for the staff.

7. Sends requested information about individual wheelchairs and statistics from the monitoring subsystem to be displayed by the web service.

8. Sends queries and query results between the TSP and the Cloud Service via wifi.

9. Sends the data collected by the mobile app the the store data subsystem.

10. Sends the data to the data base so it can be stored for later querying

11. Sends queries to the pull data subsystem, and returns results to the interface.

12. Sends the queries to the database and return the results of the queries back to the pull data sub system.

13. Sends the real time monitoring information and the statistics to the monitoring subsystem.