Group 5

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BrickMMO Twitter

Functionality

BrickMMO Twitter will be the main social media platform for the city, will include news and updates, city related information etc...

Dependency

This system is dependent on many systems like GPS, lighting, bridges, etc.. that can affect each citizen's life

3. Settings and Info

Module Settings

This is a core system so Instead of ports we will be having Application Programing Interface (APIS). All the modules will be connected to our APIS and can shoot tweets.

4. Server Stuff

Server

We would need a good size server to handle 1000 request per sec because it is going to be connected to multiple subsystems.

Server Host

The server could be hosted on many different kinds of places. We can cloud storage or local host with a desktop. Depending on the size of the server, we might have to pay for cloud storage.

5. Pseudocode

IOT Loop

While True

   If powerOutage == "yes"

    Power station twitter account will shoot a tweet to its account.

    If power is back within the given duration

      Power station twitter account will shoot a tweet to its account.

      Set powerOutage == "No"

API Endpoints

/api/{sybSystem}/shootTweet

Request Type: POST,

Body: {

tweetTitle: string

}

Response {

Status: number,

tweetTitle: string

createdAt: DateTime

}

WHAT IS AN API ENDPOINT?