Senior Capstone

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Documentation

**Schema of the Database**

Text

Description automatically generated

X / Y is how it’s displayed on the bitmap, static placement on the screen.

Beacon Adjacent is a column with JSON and is structured as follows:

{"0": {"MAC": macAddressNorth}, "1": {"MAC": macAddressEast}, "2": {"MAC": macAddressSouth}, "3": {"MAC": macAddressWest}}

Example Row:  
'DD:34:02:06:73:18',   
'STW013',   
'{\"0\": {\"MAC\": \"DD:34:02:06:72:0D\"}, \"1\": {\"MAC\": null}, \"2\": {\"MAC\": null}, \"3\": {\"MAC\": null}}',   
'700',   
'300'

If Location has something in it, a varchar, it will be able to be routed to on the app. Otherwise, we treat it as a “passing beacon”. Or nobody can route to said beacon.

NOTE inside the Database Handler file, you will need to change the login info the SSH/Database credentials. These were removed due to it being a public site.

Rest of documentation can be found within the project files / plain files via comments/logs.