

SMART CAMPUS

FULL STACK PROJECT

DB MIGRAITON

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Spring Semester

DESCRIPTION

- A real-time system with an interactive web interface that allows users to manage the campus facilities.
- This projects extends the scope of a previous project to more sensors and capabilities.

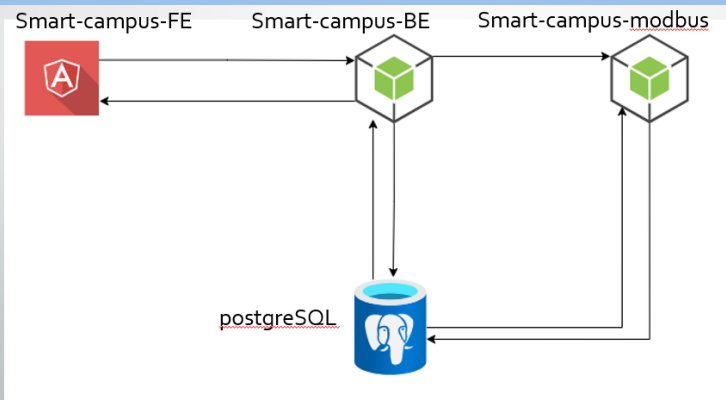
Development Environments and Languages



Recommendations

- The solution showcased in this project can be easily replicated easily to all fields and future tables.
- When applying additional sensors to the campus or any SMB it is preferable to use relational DB topology. This way the data is easily processed to ML and BI ends.
- Further ML and BI features should be written in python.

Solution architecture



SCREENSHOTS

Reports

Counter * Enter a date range Fixed Tariff * kWh Tariff * Generate Report

Reports History

Show 10 entries

Counter	Start Date	End Date	Fixed Tariff	kWh Tariff	Created Date	Download Links
counter1	2021-05-01T00:00:00.000Z	2021-10-01T00:00:00.000Z	4	3	2021-10-10T15:11:27.800Z	
counter1	2021-05-01T00:00:00.000Z	2021-10-01T00:00:00.000Z	4	3	2021-10-10T15:12:54.385Z	
counter1	2021-08-01T00:00:00.000Z	2021-10-10T00:00:00.000Z	104	0	2021-10-10T16:16:58.422Z	
counter1	2021-10-04T00:00:00.000Z	2021-10-06T00:00:00.000Z	1	1	2021-10-10T21:23:10.127Z	
counter1	2021-10-04T00:00:00.000Z	2021-10-06T00:00:00.000Z	1	1	2021-10-10T21:28:08.193Z	
counter1	2021-10-04T00:00:00.000Z	2021-10-06T00:00:00.000Z	1	1	2021-10-10T21:46:28.703Z	
counter1	2021-08-01T00:00:00.000Z	2021-10-14T00:00:00.000Z	104.32	0.5	2021-10-14T08:37:51.894Z	
counter1	2021-09-01T00:00:00.000Z	2021-10-31T00:00:00.000Z	10	23	2021-11-09T12:37:03.997Z	
counter17	2021-06-30T21:00:00.000Z	2021-07-31T21:00:00.000Z	1	1	2021-10-04T16:12:02.684Z	
counter17	2021-06-30T21:00:00.000Z	2021-07-31T21:00:00.000Z	100	1	2021-10-04T16:28:29.356Z	

Locations

Name	Building	Floor	Created Date
Please do not delete	6	1	7/11/21, 10:39 PM
Do not delete	4	2	7/12/21, 6:33 PM
dont delete	4	2	7/12/21, 6:33 PM
Tamir	7	1	8/3/21, 6:59 PM
Building 2	2	2	10/10/21, 6:19 PM

FACILITY MONITORING

VISION

