Task 6 - Team 10 (QR Scanning) API Documentation

Get the total count of a specific building

Endpoint:
https://ulckzxbsufwjlsyxxzoz.supabase.co/rest/v1/BUILDING?select=total_count&building_id=eq.<Building ID>

Description:
Fetch the current crowd count (total_count) for a single building by its ID - Building ID

Request Body: None

Response Example:

```
{
  "total_count": "integer"
}
```

Get all building details

Endpoint:
https://ulckzxbsufwjlsyxxzoz.supabase.co/rest/v1/BUILDING

Description:
Fetch all buildings and their available details.

Request Body: None

Response Example:
```
{

 "building_id": "string",
 "building_name": "string",
 "total_count": "integer"
 }
```

Get all building IDs with their counts

Endpoint:
https://ulckzxbsufwjlsyxxzoz.supabase.co/rest/v1/BUILDING?select=building_id,total_count

Description:
Fetch only the building_id and total_count for all buildings.

Request Body: None

Response Example:

```
{
  "building_id": "string",
  "total_count": "integer"
}
```

Get all entry/exit logs (all columns)

Endpoint:

https://ulckzxbsufwjlsyxxzoz.supabase.co/rest/v1/EntryExitLog

Description:
Fetch all available records from the EntryExitLog table.
This includes all columns: tag_id, building_id, entry_time, exit_time, and direction.

Response Example:

```
{
  "tag_id": "integer",
  "building_id": "string",
  "entry_time": "string (timestamp)",
  "exit_time": "string (timestamp)",
  "direction": "string"
}
```

Get logs with specific columns

a) Only tag_id and building_id

Endpoint:

https://ulckzxbsufwjlsyxxzoz.supabase.co/rest/v1/EntryExitLog?select=tag_id,building_id

Description:
Fetch only the tag_id and building_id for each log.

Response Example:

```
{
    "tag_id": "integer",
    "building_id": "string"
}
```

b) tag_id, building_id, and entry_time

Endpoint:

https://ulckzxbsufwjlsyxxzoz.supabase.co/rest/v1/EntryExitLog?select=tag_id,building_id,entry_time

Description:
Fetch tag_id, building_id, and entry_time for each log.

Response Example:

```
{
    "tag_id": "integer",
    "building_id": "string",
    "entry_time": "string (timestamp)"
}
```

c) tag_id, building_id, entry_time, and exit_time

Endpoint:

https://ulckzxbsufwjlsyxxzoz.supabase.co/rest/v1/EntryExitLog?select=tag_id,building_id,entry_time, exit_time

Description:
Fetch tag_id, building_id, entry_time, and exit_time for each log.

Response Example:

```
{
    "tag_id": "integer",
    "building_id": "string",
    "entry_time": "string (timestamp)",
    "exit_time": "string (timestamp)",
}
```

Notes:

You can customize the returned data by editing the select query parameter with a comma-separated list of column names.
Filtering can be applied using query parameters (e.g., ?building_id=eq.B1, ?tag_id=eq.42).
Entry_time and exit_time are in ISO 8601 format (e.g., "2025-09-12T16:24:36.707581").

Note: All requests must include headers with the following API and authorization keys

Apikey:

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6InVsY2t6eGJzdWZ3amxzeXh4em96Iiwicm9sZSI6ImFub24iLCJpYXQiOjE3NTgwMTAwODcsImV4cCI6MjA3MzU4NjA4N30.J8MMNsdLQh6dw7QC1pFtWIZsYV5e2S2iRfWD_vWMsPM
Authorization:

Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6InVsY2t6eGJzdWZ3amxzeXh4em96Iiwicm9sZSI6ImFub24iLCJpYXQiOjE3NTgwMTAwODcsImV4cCI6MjA3MzU4NjA4N30.J8MMNsdLQh6dw7QC1pFtWIZsYV5e2S2iRfWD_vWMsPM

Building Table Structure with all Building ID Assignments

building_id text	dept_name varchar	total_count int8	count_per_day int8
B1	Engineering Carpentry Shop	3	17
B11	Department of Chemical and process Engineering	0	0
B12	Security Unit	0	0
B13	Drawing Office 2	0	0
B15	Department of Manufacturing and Industrial Engineering	11	11
B16	Professor E.O.E. Perera Theatre	0	0
B19	Electrical and Electronic Workshop	0	0
B2	Engineering Workshop	0	0
B20	Department of Computer Engineering	0	200
B22	Environmental Lab	0	0
B23	Applied Mechanics Lab	0	0
B24	New Mechanics Lab	0	0
B28	Materials Lab	0	0
B29	Thermodynamics Lab	0	0
B30	Fluids Lab	0	0
B31	Surveying and Soil Lab	0	0
B32	Department of Engineering Mathematics	0	0
B33	Drawing Office 1	0	0
B34	Department of Electrical and Electronic Engineering	0	0
B6	Structure Lab	14	14
B7	Administrative Building	0	0

EntryExitLog Table Structure

tag... i...	building_id text	entry_time timestamp	exit_time timestamp	direction text
1000	B6	2025-09-22 10:43:42.96841	NULL	IN
1001	B6	2025-09-22 10:44:25.988406	NULL	IN
1002	B1	2025-09-22 10:37:40.416504	2025-09-22 10:39:32.145029	IN
2003	B1	2025-09-22 10:37:55.520369	2025-09-22 10:38:53.634308	IN
4000	B15	2025-09-22 11:22:43.729984	NULL	IN

tag... i...	building_id text	entry_time timestamp	exit_time timestamp	direction text
		2025-09-22 10:43:42.96841	NULL	IN
		2025-09-22 10:44:25.988406	NULL	IN
2003		2025-09-22 10:37:55.520369	2025-09-22 10:38:53.634308	