

## **Task 6 - Team 10 (QR Scanning) API Documentation**

### **Get the total count of a specific building**

Endpoint:

[https://ulckzxsufwjlsyxxzoz.supabase.co/rest/v1/BUILDING?select=total\\_count&building\\_id=eq.<Building ID>](https://ulckzxsufwjlsyxxzoz.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://ulckzxsufwjlsyxxzoz.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](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](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](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://ulckzxbwsufwjlsyxxzozsupabase.co/rest/v1/EntryExitLog?select=tag\\_id,building\\_id,entry\\_time,exit\\_time](https://ulckzxbwsufwjlsyxxzozsupabase.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.eyJpc3MiOiJzdXBhYmFzZSI6InJlZi6InVsY2t6eGJzdWZ3a  
mxzeXh4em96Iiwicm9sZSI6ImFub24iLCJpYXQiOiE3NTgwMTAwODcsImV4cCI6MjA3MzU4NjA4  
N30uJ8MMNsdLQh6dw7QC1pFtWIZsYV5e2S2iRfWD\_vWMsPM

Authorization:

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSI6InJlZi6InVsY2t6eGJzdWZ3a  
mxzeXh4em96Iiwicm9sZSI6ImFub24iLCJpYXQiOiE3NTgwMTAwODcsImV4cCI6MjA3MzU4NjA4  
N30uJ8MMNsdLQh6dw7QC1pFtWIZsYV5e2S2iRfWD\_vWMsPM

Building Table Structure with all Building ID Assignments

building_id text	Build_Name varchar	total_count int8
B1	Engineering Carpentry Shop	0
B11	Department of Chemical and process Engineering	0
B12	Security Unit	0
B13	Drawing Office 2	0
B15	Department of Manufacturing and Industrial Engineering	0
B16	Professor E.O.E. Perera Theatre	0
B17	Electronic Lab	0
B19	Electrical and Electronic Workshop	0
B2	Engineering Workshop	0
B20	Department of Computer Engineering	0
B22	Environmental Lab	0
B23	Applied Mechanics Lab	0
B24	New Mechanics Lab	0
B28	Materials Lab	0
B29	Thermodynamics Lab	0
B30	Fluids Lab	0
B31	Surveying and Soil Lab	0
B32	Department of Engineering Mathematics	0
B33	Drawing Office 1	0
B34	Department of Electrical and Electronic Engineering	0
B6	Structure Lab	0
B7	Administrative Building	0
B9	Lecture Room 10/11	0

EntryExitLog Table Structure

tag_id int8	building_id text	entry_time timestamp	exit_time timestamp
1	A22	2025-09-10 21:31:40.242073	2025-09-12 12:18:51.432011
1	A25	2025-09-12 12:16:58.902909	2025-09-12 12:18:51.432011
2	B1	2025-09-11 09:14:02.52435	2025-09-11 20:06:56.781476
3	B2	2025-09-11 20:27:53.479617	2025-09-11 20:28:27.748079
4	B3	2025-09-11 20:30:37.699072	2025-09-11 20:33:11.762949
5	B3	2025-09-11 20:31:10.424067	2025-09-11 20:33:52.89687
6	D15	2025-09-12 16:24:09.147217	2025-09-12 16:26:11.896757
7	D15	2025-09-12 16:24:36.707581	2025-09-12 16:25:50.170995