

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

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

Endpoint:

[https://ynqcwlpuzgcdqoslmgy.supabase.co/rest/v1/BUILDING?select=total\\_count&building\\_id=eq.<Building ID>](https://ynqcwlpuzgcdqoslmgy.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://ynqcwlpuzgcdqoslmgy.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://ynqcwlpuzgcdqoslmgqy.supabase.co/rest/v1/BUILDING?select=building\\_id,total\\_count](https://ynqcwlpuzgcdqoslmgqy.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://ynqcwlpuzgcdqoslmgqy.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://ynqcwlpuzgcdqoslmqgy.supabase.co/rest/v1/EntryExitLog?select=tag\\_id,building\\_id](https://ynqcwlpuzgcdqoslmqgy.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://ynqcwlpuzgcdqoslmqgy.supabase.co/rest/v1/EntryExitLog?select=tag\\_id,building\\_id,entry\\_time](https://ynqcwlpuzgcdqoslmqgy.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://ynqcwlpuzgcdqoslmgy.supabase.co/rest/v1/EntryExitLog?select=tag\\_id,building\\_id,entry\\_time,exit\\_time](https://ynqcwlpuzgcdqoslmgy.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.eyJpc3MiOiJzdXBhYmFzZSI6InJlZi6InlucWN3bHB1emdjZHFvc2xtZ3F5Iiwicm9sZSI6ImFub24iLCJpYXQiOiJlZ3NTczMzI3NzAsImV4cCI6MjA3MjkwODc3MH0.R5iu6lfMuQy6monisDOUA2sf6\_94ZlZFDiC0QJK\_OZg

Authorization:



Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSI6InJlZi6InlucWN3bHB1emdjZHFvc2xtZ3F5Iiwicm9sZSI6ImFub24iLCJpYXQiOiJlZ3NTczMzI3NzAsImV4cCI6MjA3MjkwODc3MH0.R5iu6lfMuQy6monisDOUA2sf6\_94ZlZFDiC0QJK\_OZg

Building Table Structure with all Building ID Assignments

|  building_id text | Build_Name varchar                                     | total_count int8 |
|--|--|------------------|
| A22  | Drawing Office 2                                       | 0                |
| A25  | Structures Laboratory                                  | 0                |
| B1   | Department of Chemical and Process Engineering         | 0                |
| B2   | Mathematics/Management/Computing Centre                | 0                |
| B3   | Drawing Office 1                                       | 0                |
| C10  | Electrical and Electronic Workshop                     | 0                |
| C11/C12  | Surveying/Soil Lab                                     | 0                |
| C13  | Materials Lab  | 0                |
| C14  | Environmental Lab                                      | 0                |
| C8   | Department of Electrical and Electronic Engineering    | 0                |
| C9   | Department of Computer Engineering                     | 0                |
| D15  | Fluids Lab   | 0                |
| D16/D17  | New/Applied Mechanics Labs                             | 0                |
| D18  | Thermodynamics Lab                                     | 0                |
| D20/D21  | Engineering Workshop/Engineering Carpentry Shop        | 0                |
| D28  | Department of Manufacturing and Industrial Engineering | 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 |