# SQL Queries

To properly test authentication, event management, and user roles in the Event Management System, test users need to be pre-created in the database. These queries will insert an admin user for testing purposes. A regular test user will be created via the POST /auth/register API (to test registration flow).

```
MariaDB [EventManagementSystem]> SHOW TABLES;
+--------------------------------+
| Tables_in_eventmanagementsystem |
+--------------------------------+
| events                         |
| rsvps                          |
| users                          |
+--------------------------------+
3 rows in set (0.005 sec)

MariaDB [EventManagementSystem]> SELECT * FROM users;
Empty set (0.005 sec)
MariaDB [EventManagementSystem]> INSERT INTO users (username, email, password,
isAdmin)
    -> VALUES ('admin', 'admin@test.com', 'admin123', TRUE);
Query OK, 1 row affected (0.012 sec)
MariaDB [EventManagementSystem]> SELECT * FROM users;
+----+----------+----------------+----------+---------+---------------------+---------------------+
| id | username | email          | password | isAdmin | createdAt           | updatedAt           |
+----+----------+----------------+----------+---------+---------------------+---------------------+
|  1 | admin    | admin@test.com | admin123 |       1 | 2025-03-11 23:10:06 | 2025-03-11 23:10:06 |
+----+----------+----------------+----------+---------+---------------------+---------------------+
1 row in set (0.002 sec)
```

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To be able to perform backend testing, the plain text password should be changed to a hashed password so the hashed password in the db is compared with the hashed password of the login page. A test user “johndoe” was added via the POST /auth/register API, as shown below.

```
MariaDB [EventManagementSystem]> UPDATE Users
    -> SET password =
'$2a$10$DHQ8/WN5YDvaoqWxSzfL4O4SKBq2/PONXnWC0Ry.ttEg7MCJjcFwO'
    -> WHERE email = 'admin@test.com';
Query OK, 1 row affected (0.006 sec)
Rows matched: 1  Changed: 1  Warnings: 0
MariaDB [EventManagementSystem]> SELECT * FROM users;
+----+----------+--------------------+--------------------------------------------------------------+---------+---------------------+---------------------+
| id | username | email              | password                                                     | isAdmin | createdAt           | updatedAt           |
+----+----------+--------------------+--------------------------------------------------------------+---------+---------------------+---------------------+
|  1 | admin    | admin@test.com     | $2a$10$DHQ8/WN5YDvaoqWxSzfL4O4SKBq2/PONXnWC0Ry.ttEg7MCJjcFwO |       1 | 2025-03-11 23:10:06 | 2025-03-12 23:31:13 |
| 14 | johndoe  | john.doe@example.com | $2b$10$FBNJFieapsSWCVYrHvj9EOkgpPV1YCKTLY8HjJQLFEDzziX2MCWl. |       0 | 2025-03-12 12:54:08 | 2025-03-12 12:54:08 |
+----+----------+--------------------+--------------------------------------------------------------+---------+---------------------+---------------------+
2 rows in set (0.001 sec)
```

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To test Get /events, 2 events were added via the following SQL queries.

```
MariaDB [EventManagementSystem]> INSERT INTO Events (name, description, date)
    -> VALUES ('Music Festival', 'A grand music festival featuring various
artists.', '2024-12-15');
Query OK, 1 row affected (0.004 sec)

MariaDB [EventManagementSystem]> INSERT INTO Events (name, description, date)
    -> VALUES ('Tech Conference', 'A conference to showcase the latest
technology trends.', '2024-12-20');
Query OK, 1 row affected (0.006 sec)

MariaDB [EventManagementSystem]> SELECT * FROM events;
```

| id | name | description | date | createdAt | updatedAt |
|---|---|---|---|---|---|
| 1 | Music Festival | A grand music festival featuring various artists. | 2024-12-15 | 2025-03-12 16:28:46 | 2025-03-12 16:28:46 |
| 2 | Tech Conference | A conference to showcase the latest technology trends. | 2024-12-20 | 2025-03-12 16:31:10 | 2025-03-12 16:31:10 |

```
2 rows in set (0.000 sec)
```

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