Installation - Events4U

This guide will walk you through the installation process for setting up the “Events4U” project using MySQL as the database, Node.js with Express.js as the API server, and Angular as the frontend framework running on NGINX web server.  
Before you begin update your server:  
***sudo apt update  
sudo apt upgrade***

# Setup the environment

## Step 1: Install Node.js and npm

1. Install Node.js and npm using the package manager:  
   ***sudo apt install nodejs npm***
2. Verify the installation:  
   ***node -v  
   npm -v***

## Step 2: Install MySQL

1. Install MySQL server using the package manager:  
   ***sudo apt install mysql-server***
2. Start the MySQL service:  
   ***sudo systemctl start mysql.service***
3. Since July 2022, further steps are required. Open the MySQL prompt:  
   ***sudo mysql***
4. Change the root user’s authentication method to one that uses a password:  
   ***ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'your\_password';***
5. Now you can exit the MySQL prompt:  
   ***exit***
6. Run the security script:  
   ***sudo mysql\_secure\_installation***
7. You can activate the “VALIDATE PASSWORD COMPONENT” if you choose so, in my case it is active.
8. Now you can change the root password or keep it, either way remember the password.
9. Then you can remove anonymous users, which I recommend.
10. The next option is to disallow remote login of the root user.
11. Then remove the test database.
12. Finally reload the privileges tables.

<https://www.youtube.com/watch?v=Gd-9-jvWyuU&ab_channel=DevOps-Erpnext>  
  
<https://www.npmjs.com/package/pm2>