

FORM_BUILDER

DEVELOPER MANUAL

1st APRIL, 2024

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Introduction

This is the developer manual of the form builder for creating, reading the form data from the database and also storing the form's relation with org and user.

This manual is created for backend developers to make it easy for understanding the overall flow of this application.

Technologies used

- NodeJS
- Express
- MySQL

- Sequelize
- Github
- Jest

Getting Started

For setting up the project locally follow the steps:

1. Clone the project from gitlab.

Code:

```
git clone https://github.com/raghav0011/form_builder_backend.git
```

2. Install all dependencies(dependencies are listed in package.json under dependencies)

Code:

```
npm install
```

3. Setup .env file

Create a '.env' file in the root directory with the following variables.

```
HOST= "localhost"  
  
USER= "root"  
PASSWORD= "YOUR_PASSWORD"  
DB= "form_builder"  
dialect= "mysql"  
  
HOST= "localhost"
```

4. Starting the server Code:

```
npm run dev
```

API documentation

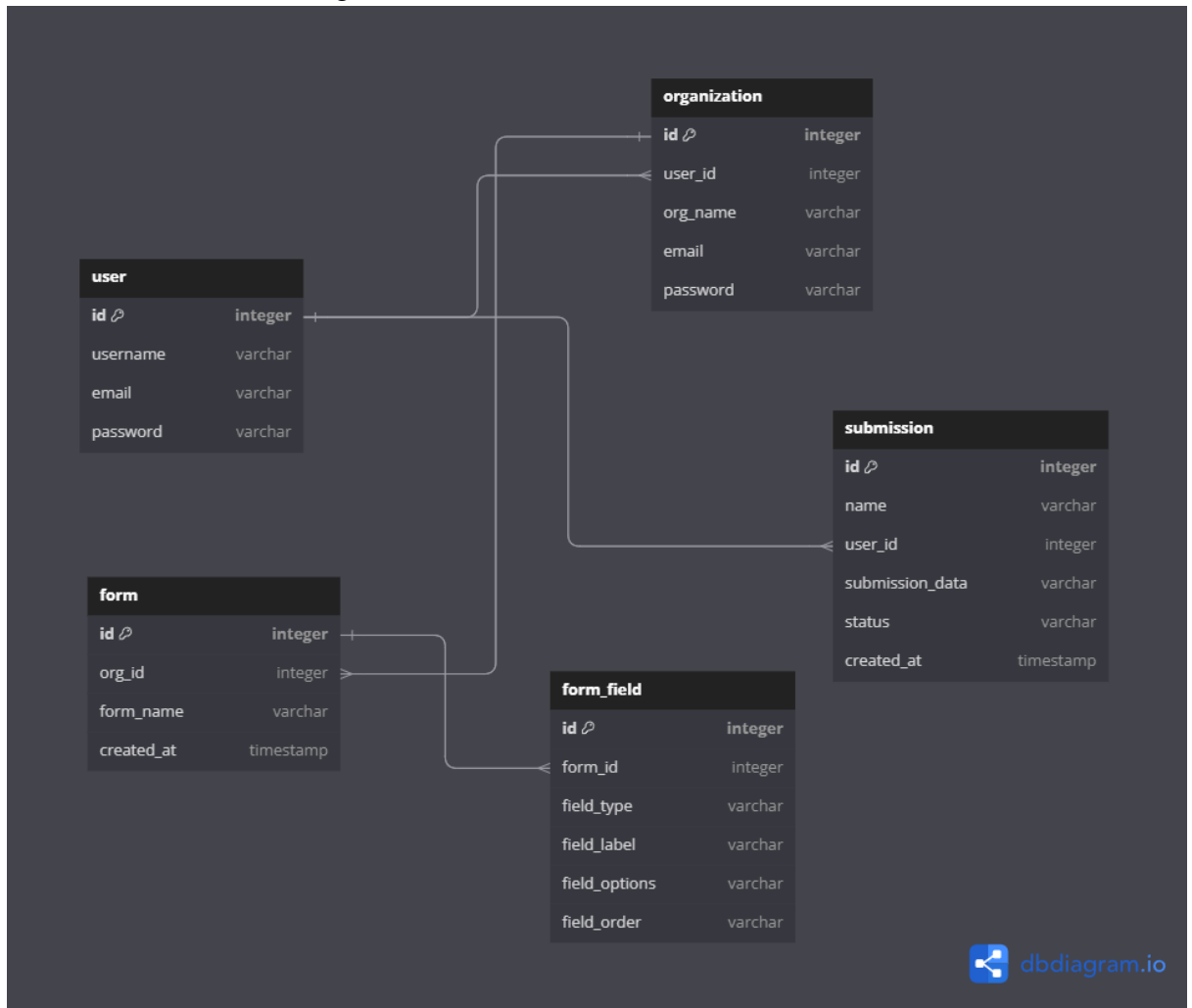
The main starting url is

→ [http://localhost:5000 /](http://localhost:5000/)

Database setup (MySQL)

1. Database design

Given below is the ER-diagram of connection link service.



There are 5 tables in total where the links table is the main (parent) table.

2. Database configuration

Database connection is done using sequelize ORM in given way:

```
const sequelize = new Sequelize(process.env.DB_DATABASE,  
process.env.DB_USER,process.env.DB_PASSWORD, {
```

```
host: process.env.DB_HOST,  
  
port: process.env.DB_PORT,  
  
));
```

The variables are stored in the '.env' file.

ROUTES

All the routes used in this project are listed below:

1. <http://localhost:5000/users/register> (Used for registering users)
2. <http://localhost:5000/org/register> (Used for registering organizations)
3. <http://localhost:5000/users/login> (Used for user login)
4. <http://localhost:5000/org/login> (Organization login)
5. <http://localhost:5000/org/postForm> (Organization post form)
6. <http://localhost:5000/users/getForm> (Users to get organizations form)
7. <http://localhost:5000/users/postForm> (Users to fill the organization form and post it)
8. <http://localhost:5000/org/getUserSubmission> (Organization to get which user filled which of there form)
9. <http://localhost:5000/users/validateToken> (Used to validate the token of the user to grant access in the application)

Deployment

1. Development: Applied to the creation of new features in the development phase.

URL: <http://localhost:5000>

2. CI/CD pipelines are used to automate the test to these environments.
3. Pushing in the main branch will run the cicd pipeline automatically

Contact information

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