

README

Technology Stack

The following technologies were used in the project:

Backend

- **Node.js:** v16.19.0
- **Express:** v4.18.2
- **MongoDB:** v5.0.14

Frontend

- **React:** v18.2.0
- **Monaco Editor:** v0.37.1
- **BPMN.io:** v9.0.0

Server Installation Instructions

Ensure Node.js and npm are installed. Verify by running:

```
node -v
```

```
npm -v
```

1. Clone the repository:

```
git clone https://github.com/your-repository.git
```

```
cd act2state/genux_backend_cpy
```

2. Install dependencies:

```
npm install
```

3. Set up the `.env` file with the following variables:

```
DB_URI=your_mongodb_database_uri
```

```
PORT=4000
```

4. Start the server:

```
npm start
```

5. The server will run on <http://localhost:4000>.

Client Installation Instructions

Navigate to the frontend directory:

1. Install dependencies:

```
cd act2state/genux_frontend_cpy
```

```
npm install
```

2. Start the client:

```
npm start
```

3. The client will run on <http://localhost:3000>.

Initial Setup for First-Time Users

Default User Roles:

- **User:** Access to diagram creation and editing tools.
 - Username: `user2`
 - Password: `123`

User Instructions

Login

1. Open the client application at `http://localhost:3000`.
2. Enter your assigned username and password.

User Role

- Use the BPMN editor to create activity diagrams.
- Convert diagrams to PlantUML state diagrams for visualization.
- Save and manage diagrams via the provided interface.