



ADES CA1 Developer Setup Guide

Academic semester: Year 2 Sem 2

Module Name: ST0507 APPLICATION DEVELOPMENT STUDIO

Module class: DIT/FT/2B/03

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The big question:

1. If I want to setup this queue system for my own use, what are the list of things I need to do.
 - Clone the repository into my local machine using git clone.
 - Install necessary dependencies.
 - Implement/define the dependencies in my files.
 - Create a file (server.js) to start the server so that my app can run.
 - Connect my elephantSQL with my database.js using the pool connections.
 - Create error handling functions to handle the necessary/different errors.
 - Use postman/client REST to test the different APIs.
 - Use jsonschema to validate the different parameters (e.g. req.body & req.params)

Some other guiding question:

1. How do I download the code onto my own machine?

Step 1: Open your desired repository on GitHub.

Step 2: Click the green drop-down button with the word 'code' on it.

Step 3: Copy the repository link.

Step 4: Open git bash and locate to you desired directory.

Step 5: Paste the following command into git bash and click enter to clone the repository to your own machine: `Git clone <repository_url>`

2. What are some configurations I need to make?

- Define

```
const bodyParser = require("body-parser");
```

```
app.use(cors());
```

```
app.use(bodyParser.json());
```

```
app.use(bodyParser.urlencoded({ extended: false }));
```

- Extension

prettier extension

client REST

3. Any other dependencies I would need?

a) Dependency: Body-parser

Installation Command: `npm install body-parser`

b) Dependency: jsonschema

Installation Command: `npm install jsonschema`

c) Dependency: jest

Installation Command: `npm install jest`

d) Dependency: pg

Installation Command `npm install pg`

4. Do I need to run any setup command?

Perform `npm install (express)`

5. How do I start the application?

Step 1: Create a file called `server.js` in your folder.

Step 2: Paste the following:

```
const { app } = require('./app');  
  
app.listen(3000, () => console.log("App listening on port 3000"));
```

Step 3: Paste the command “`node server.js`” in the terminal and click enter to start the app. Ensure that you have opened the right file directory in terminal.

6. How do I know that I have successfully setup?

You will see this in the terminal ‘App listening on port 3000’.