**SPECTRE API**

**SE4007-Applied DevOps**

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# **Spectre API Setup:**

1. Clone the repository using following command:

git clone <https://gitlab.com/spectre.app/api.git>

1. Navigate to project directory using following command:  
   “cd E:\University\University Semester 7\DevOps\Assignments\Phase 2\Task1-2\api”
2. Install dependencies
3. Configure spectre API while updating config.yml file
4. Run spectre API

# **Learning Notes:**

1. **Understanding Configuration:**

During the setup, I realized the importance of understanding the configurations in the config.yml file. Each configuration parameter has a specific purpose, such as API keys, database connection strings, etc. It's crucial to refer to the API documentation and set these parameters correctly for the Spectre API to function as intended.

1. **API Endpoint Testing:**

Testing the API endpoints using tools like Postman allowed me to verify the functionality of the Spectre API. Understanding the request and response format for each endpoint is essential for integrating the API with other components of the project.

1. **Importance of Dependencies:**

The installation process involved using a package manager to install dependencies. Understanding the role of each dependency and keeping them up-to-date is crucial for maintaining a stable development environment.

# **Problems Faced:**

1. **Dependency Version Conflict:**

Encountered a version conflict with one of the dependencies. This caused the Spectre API to fail during startup.

1. **Incorrect API Key Configuration:**

Authentication issues occurred due to an incorrect API key configuration in the config.yml file. This led to unsuccessful authentication attempts when testing the /auth endpoint.