



## **Python Assignment**

**Brain station 23 PLC** is one of the **largest** and **fast-growing** companies in our country. With this growth, they are encountering challenges in providing lunch options to their employees.

They aim to offer great lunches, but since everyone has different preferences, ordering individual meals for each person is impractical. To address this, the company plans to create a voting app for lunch. Restaurants will display their menus, and all employees can vote for their favorite dishes. The menu with the most votes will be chosen for the day. This approach ensures that everyone has a role in deciding what's for lunch, making it a fair and enjoyable process!

### **API Requirements for implementation:**

- ❖ Authentication
- ❖ Creating restaurant
- ❖ Uploading menu for restaurant
- ❖ Creating employee
- ❖ Getting current day menu
- ❖ Voting for restaurant menu
- ❖ Getting results for the current day. The winner restaurant should not be the winner for 3 consecutive working days.
- ❖ Logout

### **Implementation guideline:**

- ❖ Any framework or library can be used for this application.
- ❖ The utilization of a SQL database is required for the application.
- ❖ An Entity-Relationship (ER) diagram needs to be created for the application.
- ❖ The adherence to PEP8 rules is mandatory. Additional linters such as PyLint are welcomed.
- ❖ A Project README.md must be created, including launch instructions for the application.
- ❖ Proper version controlling using git and github is required.

### **Submission Guidelines:**

- Commit your project to a public GitLab/Github repository from the initial setup.
- Share the GitLab/Github repository URL so we can track your progress and review your code.
- Include a comprehensive README file that outlines your approach, architecture diagram, screenshots, and future scope ideas.



- Commit your code frequently with informative messages that reflect your problem-solving process.

**Evaluation:**

We will evaluate your submission based on your:

- Ability to fulfil all functional requirements.
- Coding style and adherence to best practices.
- Architectural choices and code organization.
- Implementation of advanced features and techniques (extra credit).
- Overall clarity, maintainability, and scalability of your codebase.

This task provides a platform to showcase your skills and passion for Python development. We encourage you to be creative, demonstrate your expertise, and impress us with your ability to build robust and scalable applications. Good luck!