Grootan Coding Assignment

Create a web application with an option to upload a CSV file of 1 lakh or more records, where the application should read the records, process it, and push to the database table.

The CSV file will have a header row that denotes the database table column names and rows which represent the values of the database table.

After the upload of the CSV file, only the database table should be created dynamically based on the header names of the CSV file and the insert of row values should be carried out later.

In case if there are any header named as "password", the value should be encrypted dynamically and saved in the database.

Share the final coding via GitHub

Notes:

1. Use any programming language to achieve the above task
2. No restrictions on database selection
3. Create a randomly-generated CSV file for the task

Evaluation Criteria's:

1. All the above instructions should be covered
2. Show progress of processing and also show how long it took to process
3. Showing proper message in case of failures
4. Showing of no of records processed or failed
5. Efficient usage of database calls
6. Well documented
7. Maintainable code (In case used any architectural patterns, will be an added advantage)