STATEMENT OF WORK

Team: BAS (Bachelor of Arts and Sciences)
Members of Team:

1. Tim Nguyen
2. Abdo Mohamed
3. Amaka Okalla
4. Mustafa Alghuralbawl

Development Outline:

Team BAS will develop a MySQL database using the "Graduation_Rates_at_Public_Universities_2020-2022.csv" dataset, available on the City of Austin, Texas website at https://catalog.data.gov/dataset/graduation-rates-at-public-universities-2019-2021. The project will involve designing, deploying, and analyzing the database to generate valuable insights into graduation rates at public universities from 2020 to 2022. The team will work together to implement and interpret the data, ensuring its effective use for statistical analysis. The project will culminate in a formal presentation on March 18, 2025, showcasing key findings and trends in public university graduation rates.

Execution:

Team BAS (Bachelor of Arts and Sciences) will leverage all available tools to develop a high-quality product. Before undertaking major tasks, the team will collaborate via Slack to ensure alignment and efficiency. A WAMP stack will be used to host the MySQL database, with PyCharm serving as the IDE of choice. GitHub will provide version control, ensuring smooth collaboration and a well-organized, polished final product.

We will implement a structured, step-by-step approach to developing our database using industry-standard tools. The process will begin with scripting in Python to efficiently load the dataset into a MySQL database, hosted on a WAMP stack. PyCharm will serve as our development environment, while GitHub will ensure version control and seamless collaboration. Once the data is integrated, we will design and execute SQL queries to extract key insights and generate meaningful analytics. The project will conclude with a presentation on March 18, 2025, highlighting our database implementation and presenting key findings on graduation rate trends.

Project Timeline:

TImeline	**Activity**
February 26–28, 2025	Initial brainstorming, team collaboration, and project planning.
March 2–8, 2025	Development of core functionality, coding, and database integration.
March 10–11, 2025	Finalisation of code and compilation of the project.
March 12–14, 2025	Debugging, testing, and making necessary refinements.
March 18, 2025	Final presentation to the class, showcasing the project and its findings.

Acceptance: Statement of Work

Team BAS

Name: Tim Nguyen

Signature: tim nguyen

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