**Progress Report**

Team 3 Project – Middle School

**Objective**

This timeline's objectives have been accomplished. This report elaborates on

both the advancements made and the difficulties we faced. In addition, we will

have detailed strategies for progressing toward the project's completion.

**Goal Timeline**

Prototype: February 17th, 2023

Alpha Build: April 7th, 2023

Package and Deploy: April 21st, 2023

**Completed Development**

* **Cory**
  + GUI creation: A graphical user interface has been designed and implemented.
  + ERD Revision: The Entity Relationship Diagram has been reviewed and updated as needed.
  + GUI Improvement: Feedback has been incorporated to further enhance the GUI.
  + Login Form Fix: The login form has been fixed and converted to .NET.
  + Database Connection Establishment: A connection to the database has been established.
  + Clear Button Implementation: The functionality of the clear button has been added to allow users to easily clear form data.
  + Exit Form Functionality: A solution has been implemented to close the form and database connection when the exit form button is pressed.
  + Student and User Info Classes: Classes have been created to manage and store student and user information.
  + Login Solution Development: A possible login solution has been developed.
* **Zach**
  + Create a database using SQL to store the student information.
  + Decide on the appropriate data types for each field.
  + Create tables to store the information.
  + Create a Windows Forms application using C#.
  + Create a DataGridView to store the random students a listbox to hold the available students.
  + Add the necessary controls for the user to input the number of students.
  + Write code to allow the user to randomly select seats with a button.
  + Update the database with the new student information.

**Barriers To Success**

* Team Integration: Incorporating new team members into the project has resulted in communication difficulties.
* New Functionality: The introduction of new functionality has added complexity to the project.

**Arrangements For Project Completion**

* Communication Enhancement: Regular team meetings were held to improve communication with new team members and ensure they were up to speed.
* Task Assignment: Goals were defined and tasks were assigned to individual team members to focus efforts and increase efficiency.