\*Final Project Presentation Script\*

Slide No.1: Introduction of our Team, Variant, & Project Name

Time: 0.5 minute

Presenter: Temirlan

Temirlan: Hello, Ladies and Gentlemen Developers! We are group number 10, BugEyed. Our team members are amazing Inan Syed, enthusiastic Paul Osuji, and me, great Temirlan Rashid. Our project for COMP 2120 is the CLI-Based Gym Management System, and we are working on variant 7."

Slide No.2: Agenda

Time: 0.5 minute

Presenter: Temirlan

Temirlan: "Welcome to our presentation! Here’s the game plan for today. We’ll start with a brief project description, then outline the main tasks we tackled. We’ll share each member’s contributions and how we developed the project step-by-step. Next, we'll showcase a live demo of our system in action, and finally, we’ll wrap up with a Q&A session. Let’s get started!"

Slide No.3: Project Description

Time: 0.5 minute

Presenter: Temirlan

Temirlan: "Our CLI-Based Gym Management System is designed to streamline the operations of a gym using a command-line interface. This system allows gym staff to efficiently register and manage member details, schedule and manage fitness classes, and generate reports based on member, equipment, and fitness class data."

Slide No.4: Main Project Tasks

Time:1 minute

Presenter: Inan

Inan: "Alright, let's dive into the core of our project! Our project involved several key tasks: developing the core system functionality, implementing I/O programming, creating custom exceptions for error management, setting up a command-line interface for user interactions, and using multithreading for data saving. Additionally, we included features like auto-save, report generation, and user authentication to enhance the system's functionality and usability."

Slide No.5: Group Members & Their Contribution

Time: 1 minute

Presenters: Inan, Paul, Temirlan

Inan: “"Let's kick things off with the contributions from our powerhouse team! I'll start by highlighting my role in the project. I developed the core system functionality and implemented I/O programming for the project, including a load and save method utilizing multithreading for efficient data handling. I also created a toggle-auto-save function to ensure consistent background data saving every 10 seconds and contributed to the logic for generating comprehensive reports."

Paul: "I crafted the command-line interface to manage all user interactions and handled the GymManagement system logic, including adding, removing, updating, and searching for Members, Staff, Equipment, and Fitness objects. I also implemented login and logout functionality for basic system security and created the abstract User class as a common base for other classes."

Temirlan: "My contributions include implementing the InvalidUserException class for error management, contributing to unique ID generation and input validation, and developing the logic behind polymorphism in the system. I also conducted extensive testing to identify errors and ensure system correctness and participated in code reviews to maintain code quality and consistency."

Slide No.6: Task Completion & Development

Time: 1 minute

Presenter: Paul

Paul: "To complete our project, we used a structured approach with key resources and strategies. We started by reviewing lecture notes and participating in lab sessions for hands-on practice. Tasks were divided based on our strengths, and we used GitHub for version control, which made code management and collaboration efficient. Regular Discord meetings ensured clear communication and timely problem-solving. We tackled each task step-by-step, starting with core functionality and progressively adding features like I/O programming, exception handling, and multithreading. We set up the project framework first and built features in stages. For instance, the auto-save function was designed to keep data safe without interrupting main operations and was thoroughly tested to ensure it worked smoothly. Using these resources and working closely as a team, we ensured our project was finalized, efficient, and user-friendly."

Slide No.7: Live Demo

Time: 3-4 minutes

Presenters: Paul and Inan

Paul: "Now, we'll move on to the live demo of our project. We’ll start by demonstrating the member registration and management features."

Inan: "Next, we’ll show you how to schedule and manage fitness classes. We’ll also generate a report to illustrate the reporting functionality. Please bear with us for a moment while we switch to the demo."

Slide No.8: Questions

Time: 1 minute

Presenter: Temirlan

Temirlan: "Thank you for your attention. We are now open to any questions you may have."

Slide No.9: Quick Show of References

Time: 0.5 minute

Presenter: Inan

Inan: "Here are the references we used for our project, including lecture notes and the Java Platform SE 8 documentation."

Slide No.10: End of Presentation

Time: 0.5 minute

Presenter: Paul

Paul: “Thank you for attending our presentation. We hope you found it informative. Goodbye!”