**Group 2’s Completion Plan for Assignment 2**

**Deadline**: October 26, 2024

**1. Group Meetings and Coordination**

* **Platform**: Discord
* **Frequency**: Regular check-ins to discuss progress, address challenges, and coordinate work.
* **Proposed Meeting Schedule**:
  + Initial meeting to discuss overall design and task division: [October 13]
  + Weekly progress updates: [Every Friday until the deadline]
  + Ad-hoc meetings as needed for troubleshooting and integration.

**2. Task Breakdown by Member**

**Member 1: UI Development (Shevonne Abigale Symister )**

* **Tasks**:
  + Design and implement the JavaFX user interface (WorkHoursApp.java).
  + Create and layout the following components:
    - TextFields for name, role, and hours.
    - Submit Button and TextArea for displaying entries and error messages.
  + Ensure all UI elements are properly integrated and functional.
* **Completion Date**: October 15, 2024 (to allow for integration with Member 2’s code).

**Member 2: Input Handling and Validation (Danyyil Serpokrylov)**

* **Tasks**:
  + Implement logic for the "Submit" button in WorkHoursApp.java.
  + Validate user input (check for empty fields and numeric hours).
  + Integrate with the FileHandler to save valid entries.
  + Display appropriate error messages in the TextArea.
* **Completion Date**: October 20, 2024 (to allow time for integration and testing).

**Member 3:Felipe Lee Pinheiro Machado: File Handling and Group Management**

* **Tasks**:
  + Create and submit the Completion Plan and manage the group’s tasks and deadlines.
  + Create the FileHandler.java class for managing file I/O:
    - Implement methods for reading from and writing to work\_hours.txt.
    - Handle any file-related errors and pass messages back to WorkHoursApp.
  + Integrate the classes from Assignment 1, ensuring they work seamlessly with the new JavaFX components:
    - Confirm that all classes are functional and can interact with the new UI.
  + Test the integration of all classes to ensure that input from the UI is correctly saved and loaded from the file.
* **Completion Date**: October 25, 2024 (allowing for final testing before the deadline).

**3. Integration and Testing**

* **Date**: October 21 - October 25, 2024
* **Activities**:
  + Integrate the UI (Member 1) and input handling (Member 2) with file handling (Felipe).
  + Conduct thorough testing of the complete application:
    - Check all UI elements for functionality.
    - Validate error handling and file operations.
    - Ensure all entries are saved and loaded correctly.
* **Final Meeting**: October 26, 2024, for last-minute adjustments and to submit the assignment.

**4. Final Review and Submission**

* **Date**: October 26, 2024
* **Activities**:
  + Final review of the code and functionality as a group.
  + Prepare submission materials.
  + Submit the assignment on time.