Event Planning Document

Project Title: Payroll Every Two Weeks

**Interaction 1: Compute Taxes**

1. User Action:
   1. User enters the gross pay into the entry box.
   2. User clicks on the "Compute Taxes" button.
2. System Response:
   1. The system validates the input to ensure it's a valid numeric value.
   2. If the input is invalid, a message box error is displayed prompting the user to enter a valid numeric value.
   3. If the input is valid, the system proceeds to calculate taxes and net income.
   4. The system updates the labels for FICA, Federal Tax, State Tax, and Net Paycheck Income with the calculated values.
3. Exception Handling:
   1. If the user enters invalid input (e.g., non-numeric characters), the system displays an error message and prompts the user to enter a valid numeric value.
   2. If the user clicks on "Compute Taxes" without entering any value, the system should handle this case gracefully, possibly by displaying a message prompting the user to enter **the gross pay.**

**Interaction 2: Clear Entry**

1. User Action:
   1. User clicks on the "Clear" button.
2. System Response:
   1. The system clears the entry box where the gross pay is entered.
   2. The system sets the focus back to the entry box for the user's convenience.

**Interaction 3: Exit**

1. User Action:
   1. User clicks on the "Exit" button.
2. System Response:
   1. The system closes the application window, terminating the program execution.

**Additional Notes:**

* Throughout interactions, the system should maintain responsiveness, providing timely feedback to the user's actions.
* Input validation should be robust to handle various scenarios, ensuring a smooth user experience.
* Exception handling mechanisms should be in place to gracefully handle unexpected errors or user mistakes.

By following this event plan, the Payroll Every Two Weeks application will provide users with a seamless and intuitive interface for computing taxes and managing payroll tasks.