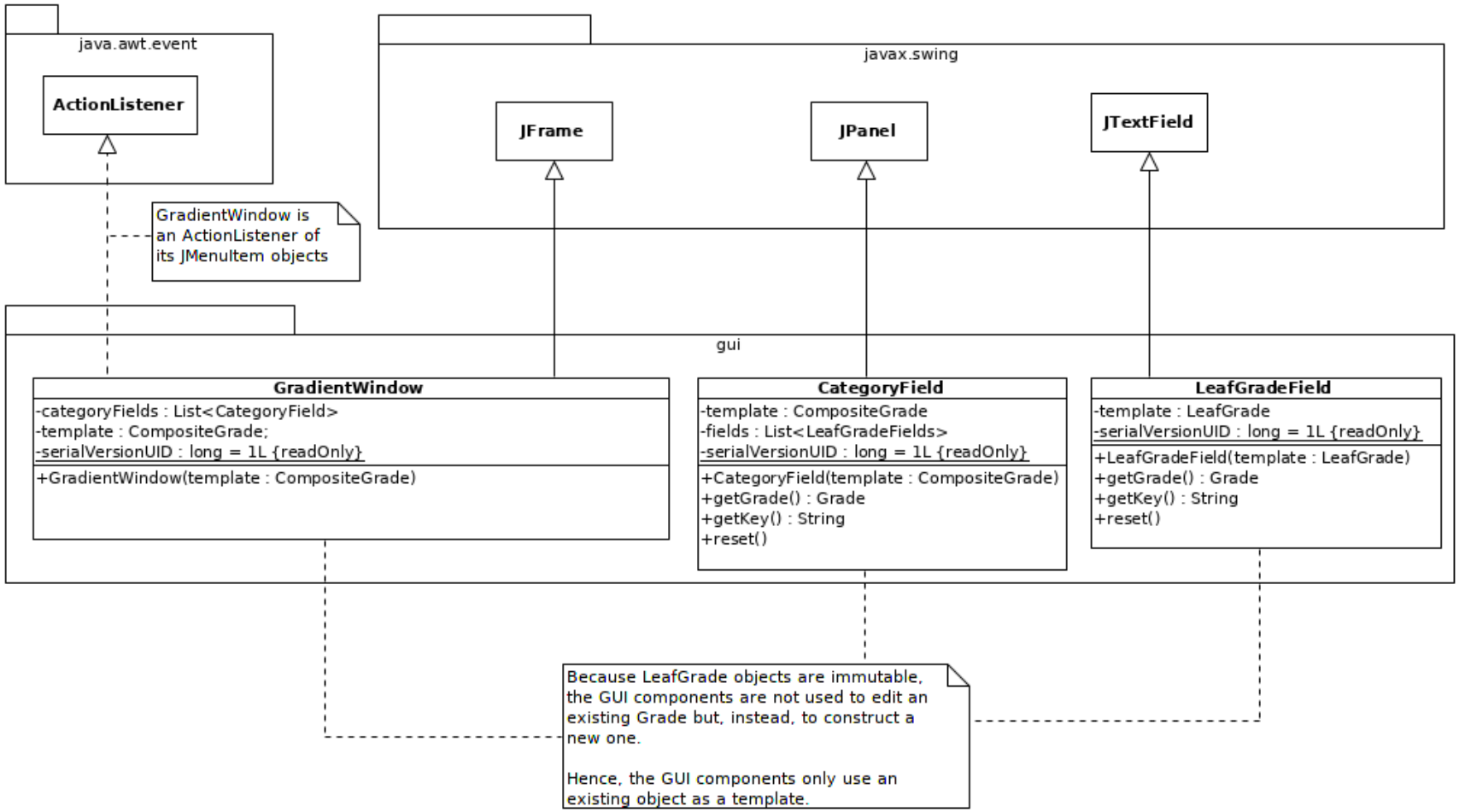Partial Engineering Design