

Creating Your Project in ChipInventor

In this tutorial, you will create a serial communication system using UART with three main blocks: `uart_rx`, `uart_logic_const`, and `uart_tx`. When a character is received via UART, the system compares it with a predefined value and toggles an LED if it matches.

Step-by-Step:

1. Open **ChipInventor**.
2. Click on "**New Project**".
3. Fill in the fields as follows:
 - **Name:** UART Communication FPGA
 - **Description:** UART system with RX, logic comparison, and TX
 - **Type:** FPGA
4. Click "**Create**".

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