

# 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**".

---

Revision #1

Created 1 May 2025 18:18:00 by Caroline

Updated 1 May 2025 18:19:36 by Caroline