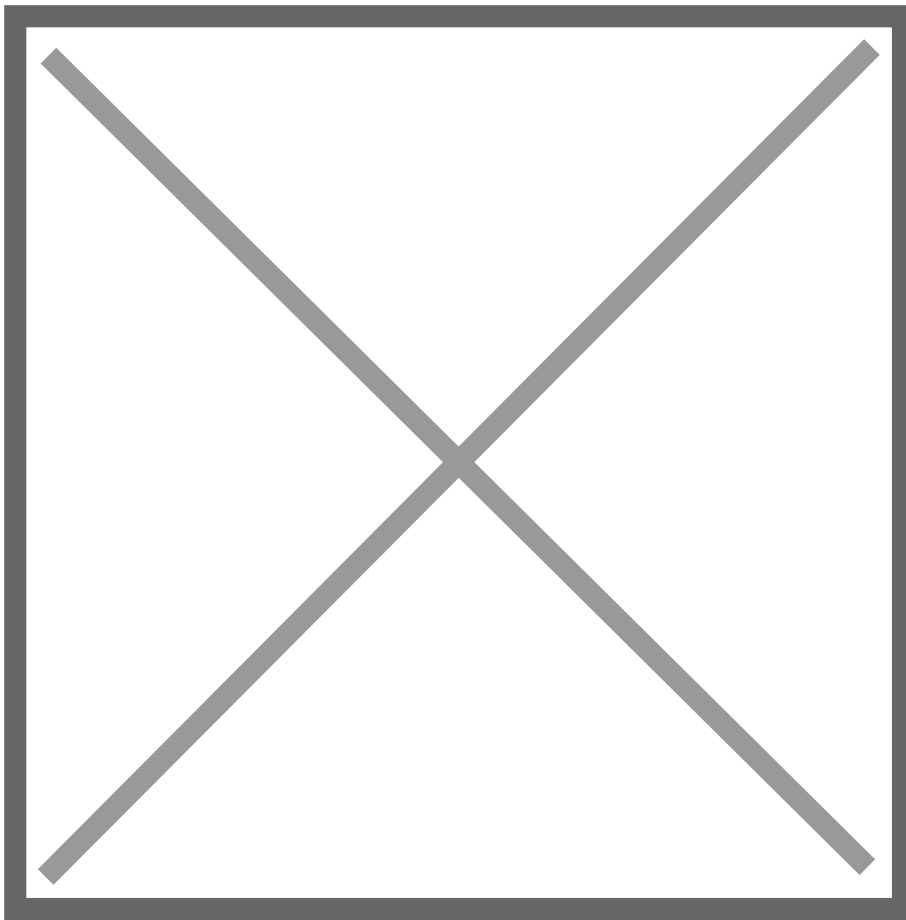


Creating your MUX Project

Welcome to this practical guide, where we'll explore how to **combine different logic blocks in the ChipInventor** platform to create circuits with specific functionalities. First, we'll build a **MUX to demonstrate how gates like AND, OR, and NOT can be arranged to achieve a desired behavior**. Then, you'll be challenged to apply these concepts to design your own DEMUX .

A multiplexer (MUX) is a digital circuit that **selects one of several inputs and transmits it to the output**, controlled by selection lines. Here's the visual example you'll learn how to build today:



So, in order to create your MUX Project, click **New Project**. Suggestion for the filling the project details:

- **Name:** MUX and DEMUX Circuits
- **Description:** Example of a multiplexer and demultiplex logics circuits
- **Type:** "OpenLane Sky360"

Once done, proceed to the workspace to start designing your circuit.

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