**Final Project Proposal Example**

**Design Topic**

* Design and implement an elevator controller

**Input/Output Table**



**Functions of the proposed elevator**

1. The elevator has the basic functions: (I/O description)
   1. A counter that control the position of the elevator
   2. Button S1~S8 is the buttons that calls the elevators in different floors as specified in  the Input/Output table.
   3. Keypad 1-5 represents the buttons inside the elevator.
2. The functions of the elevator.
   1. When many floors call the elevator, the elevator will go the nearest floor.
   2. The speaker plays “Do” when the elevator reach 1st floor, and “Re” when reaching  2F, etc. ...
   3. (Optional) Block diagram/Finite State Machine

**Other modules/daughter boards (optional)**

**Schedule of the final project development**