

## **LAB DEMO CRITERIA**

Please follow the steps below in order. If any part of the demo is unclear (for example, switch positions cannot be determined due to poor resolution) no credit is earned for that criterion.

Note: Demonstration of a 100% working design must be a video (no screenshots). Simulation, schematic and no errors / warnings may be submitted as a pdf(s).

Steps:

1. **At the beginning of your video state your name and show your face so I can identify who is making the video.**
2. **Demonstrate design work 100% as intended. (3.5 pts)**
3. **Show a clear working simulation of high-level module. (3.5 pts)**
4. **Show clearly that no errors or significant warning messages occurred. (1.5 pts)**
5. **Show clearly that the elaborated design schematic verifies structural design. (1.5 pts)**

Please do the following to keep the grader happy:

Clearly identify all inputs and outputs; I highly recommend labeling inputs and outputs with paper or labels.

Make sure there is a proper amount of lighting so that position of switches, LED brightness, etc. are clearly seen.

Have a truth table (required) of test cases and show the same test cases as used in your simulation.

Keep video length as short as possible while still being thorough. Video length should be long enough to clearly show all test cases, do not rush, but also do not take more time than necessary. Video times will vary due to design complexity, but on average two minutes to two and half minutes is an approximate average length. Less than two minutes for less complex designs and more than two minutes (but shouldn't be greater than 3 minutes) for more complex designs.

**Note: It is possible, that a design is working 100% but because of poor lightning and/or unclear labeling and/or insufficient explanation and/or missing (or unclear) truth table and/or not all test cases shown (this usually only happens when someone is rushing through test cases) I cannot tell from the video the design works 100%. If this is the case, points are lost.**

**Lastly, and very importantly, you only have one chance to demonstrate – make your demo high quality the first time. Demoes are only graded once.**