## **Project Final Portfolio Specs**

Written documentation should follow all the specifications for written documentation as laid out in the general lab specs. In addition, the report should address these project-specific specifications.

## **Proficiency**

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IAC	hnical	l Int	orm	ation
ICL	muca		ULLI	alion

	Bill of materials including all relevant components with quantities, part numbers, and prices.
	Microcontroller design overview: description of what the MCU is doing.  FPGA design overview: what is the FPGA doing along with main design features.
Writt	en Documentation
	Names and short bios of team members with link to personal website or LinkedIn profile. Abstract which briefly describes the main purpose and operation of the system. New hardware listed in section with description Results: What are the main results of your project. References: Citation (and hyperlinks where relevant) to any outside resources that were referenced in the design of the project. Acknowledgements All project code (software and HDL) included in Git repository
Writi	ng and Organization
	Website is well organized with clear separation of relevant information.  No more than a few minor spelling or grammar issues.  No missing placeholders (e.g., XX) or dead hyperlinks.

## Excellence

 $\Box$  Photos documenting final design

 $\hfill\Box$  Photos documenting the build process

Optional

Technical Documentation
<ul> <li>□ Schematics are neatly drawn with a CAD program (e.g., KiCad). All necessary label present (pins names &amp; numbers, part numbers, etc.)</li> <li>□ Block diagram is neat and completely specified (e.g., all communication protocols labeled bus widths indicated, etc.)</li> </ul>
Written Documentation
<ul> <li>□ New hardware described with notes about the features to be implemented and how the go beyond the previous material covered in the course.</li> <li>□ Results section clearly and quantitatively outlines the key performance aspects of the design with commentary to explain the design decisions.</li> <li>□ References are formatted with a clean and consistent format.</li> <li>□ All project code is accompanied by comments throughout</li> <li>□ Git repository contains a README.md file to describe the main elements of the project and where they are found.</li> </ul>
Writing and Organization
$\Box$ Excellent spelling and grammar throughout
Multimedia Documentation
$\square$ Short video showcasing a demonstration of the project