

Homework #1 Lean Software Development

Due: January 31

(All papers in CSE 566 must be double spaced)

Research Lean Software Development techniques and Value Stream Mapping.

Part 1. Create a hypothetical situation in which a company has decided to outsource their testing of a new product.

- a. Using a tool of your choice, develop a high level Value Stream Mapping capturing the relevant processes connected to the outsourcing of testing. Introduce into your value stream mapping three forms of Lean “waste”. Include the Value Stream Mapping in your report along with any additional information about the processes and data.
- b. Discuss how to eliminate the waste from part “a”. Create an updated Value Stream Mapping including any new or changed processes created to reduce the waste. Include this second Value Stream Mapping in your report along with any additional information about the processes and data.

In CSE 566, all work must be done individually unless otherwise instructed and must be original. Papers must be written in your own words (no cutting and pasting). References to all work must be cited where used in the paper and included in a bibliography at the end of the paper.