CSCE 2610
Project
Spring 2006

Using standard parts (TTL), implements the pipeline architecture given in the following figure:

You do not have to implement the control unit but you need to show all the control signals needed. You will also need some parts that aren’t shown in the above diagram, for example the clock.

You will need to turn in:
1. a list of all components used
2. the first sheet of the specifications for each component used
3. a diagram showing the pin connections of all the components

Analyze your design in terms of cost and performance. How much will your design cost? What is the fastest clock that your system can support?

Extra credit: Implement the control unit.