

CSE/IT 353 Project #3 Proposal

Bridged Token Passing Network Design

Due: 11:59pm Wednesday, November 12th

GOAL

The goal of this proposal is to plan the project and to receive early approval for proposed protocols and extra credit ideas. Although you will be allowed to make some deviations from the proposal, your project must be largely based off your initial designs.

REQUIREMENTS

In your proposal, you must specify the following:

1. Your language of choice and the reasons for choosing it. If you implement your token rings and your bridge in different languages, then specify your reasoning for both.
2. One or more flow charts describing the operation of your bridge.
3. Design descriptions for:
 - a. Buffer Synchronization.
 - b. Bridge & Token Ring Initialization (including your methodology for communicating the port numbers between the different programs).
 - c. Any changes that will be needed to the given configuration files (if needed).
 - d. Total number of executables needed and reasoning.
 - e. Any modifications to the input and/or output files, and why. (If exists)
 - f. Any modifications to the command line, and why. (If exists)
4. Bridge interactions, including how it will participate in token ring shutdowns.
5. A general description of what the bridge log files will contain.
6. Extra credit options that you plan to implement, and a design description of each (if applicable).
7. Coding Standards you intend to hold yourself to, including commenting conventions.
8. Any risks associated with your project, especially the extra credit portions.
9. Any modifications to your last project #2.

GRADING

This will be a general outline that should be followed during the implementation of Project 3. Any deviations must be documented in your README file. You should also include all design decisions from your approved proposal in your final project documentation.

Proposal Grade (15):

Addresses all above requirements: _____/7

Reasonable protocols and design: _____/3

Clarity: _____/3

Organization: _____/2

EXTRA CREDIT

In order to receive extra credit on your project implementation, you must specify the extra credit portions that you intend to implement in your project proposal. For all planned extra credit parts, you must provide full design explanations in your proposal.

PROJECT SUBMISSION

Project 3 proposal should be submitted online via Canvas.

CONTACTS

If you have questions, please send an email to:

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