CSC402 - Final Project Proposal

Please write a 1-2 page project proposal for your final project in CSC402. The final project must be an implementation of a programming language using the tools and techniques learned in this class. Some ideas: an implementation of BASIC with function calls and builtin functions, implement LOGO, an implementation of Forth that includes function definitions and calls, an implementation of the WSFN [1]. Of course you can make up your own.

Your proposal should include the following sections:

Overview - a brief description of your project in several paragraphs.

Language Example - write a short, typical program in the proposed language, e.g., if you were to suggest an implementation of Cuppa3 you might write something like this as an example:

```
// compute the factorial value of x
declare fact(x)
{
    if (x == 0)
       return 1;
    else
       return x*fact(x-1);
}

// ask user for a value and compute the factorial
declare n;
get n;
put fact(n);
```

If the language is not self-explanatory write a few sentences about its syntax and semantics.

Milestone Schedule - Write a list of the major milestones you plan to meet between now and the end of semester. With the exception of two or three more homework assignments over the next 6 weeks you will be able to commit to your project. Your project can start as soon as the proposal has been accepted.

Resources Required - A list of resources that you need in order to complete your project. This includes hardware, software, databases, etc.

Team Members & Tasks - If you are proposing a team project then you must include a team member list together with the proposed tasks for each team member. Be aware that this is a semester final project so the tasks for each team member must be substantial enough to warrant a grade as a final project. **Max team size is three (3).**

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[1]https://en.wikipedia.org/wiki/WSFN_(programming_language)

Submit your proposal to BrightSpace. If it is a team proposal then each member has to submit a copy of the proposal.