I. Introductory Information

A. Date: Thursday, January 13, 2005
   Time: 4:00 PM – 6:20 PM
   Place: SE Team Room

B. Attendees
   Kristy Rozanski  Kristina.Rozanski@gmail.com
   Tim Lund  tim.lund@mail.rit.edu
   Dave Kerstanski  djk9149@rit.edu
   Jessica Linendoll  jal9955@rit.edu
   Dan Lovette  dwl2239@rit.edu

C. Meeting Objective
   The objective of the meeting is to touch on team’s progress and assign items to be delivered on Friday 1/21.

D. Member Roles
   Leader: Kristy
   Recorder: Jessica & Kristy

II. Discussion & Decision Making Outcomes

A. Computers Registered with the DLL
   Discussion Leader: Kristy

   The Recon (parsing) DLL is registered on our Senior Project computer and the 4 computers in the back right corner of the general computer lab.

B. Defect Tracking Process
   Discussion Leader: Tim

   Talked to Swami and was given a spreadsheet for us to use for defect tracking. Each team member will have their own spreadsheet and Tim will compile them at the end of the week.

   ALL defects should be marked in the spreadsheet:
   - requirements defects
   - design, coding
   - etc…
This is one of the most difficult metric for people to follow. Try to keep up!

**C. Input needed to Test Plan?**
Discussion Leader: Tim

Tim will email any questions to each of us so that he can flush out the initial draft of the Test Plan.

**D. Deliver SRS v0.2 on Friday 1/21**
Discussion Leader: Tim

First: Team must evaluate the risks!
We will need to evaluate the risks. We will add more details to the current iteration. We will discuss this on the meeting on Sunday.

The iteration will primarily get system up to current functionality of existing system, with a modernization of design and functionality. It is the risky areas that should be fleshed out in addition to the current functionality.

**E. Design Updates/Changes?**
Discussion Leader: Jess

Initial draft is in progress. It is to be completed by the time the team meets on Sunday. Only a high-level design is necessary for this iteration.

**F. Development Issues?**
Discussion Leader: Kristy

We will need a hash table that the DXF module can use to look up the cell symbols. We need to see if the names of the symbols are the same in the DXF library. We need to figure out the interface between the Creation section and the DXF module.

This interface is already defined as needed -> the Grid interface!
Get the x,y coordinate and the text, or symbol, to be placed in that cell.

The Creation module is responsible for setting that Grid up properly.

** For this iteration, we should define test cases that can be run against each module independently. This should be sufficient and enough that is to be expected.

**Issues with parsing dll:**
How exactly is it used??
We can only get the text string from the cor-logic interface. Confusing b/c completely different syntax is used in .NET development.
There is no more IUnknown interface or IQuery interface to be able to have access to an interface to the data.
Having trouble casting the returned System::Object from the Recon Logic getNext method.
pCoRLogic = dynamic_cast<CoRLogic2Class *> pUnkObject;
No compile error, but pCoRLogic is null!
Try different combos: CoRLogic *, ICorLogic (the interface), etc…

Once this cast is accomplished, we can do a recursive algorithm:
- get a Bool, get the result (the left side of the equals sign) – cast to a CoRVariable object.
- then get items on the Bool (getNextItem)
- this is done the same way as the getNext on the CoRLogic object
- the item is either a Variable or a Branch (check the type!)
- * OR, * AND
- if it is a Branch, this is parallel composition, use Branch interface to get items – recursive!
- Parallel Composition is an OR + operation; therefore, branches are done on OR!
- The other item is a VARIABLE, we get the data on this (just a variable name)
- ** Question: Can we assume that we have an AND composition between to sequential Variable objects returned by the getNextItem method??
- ** Question: What exactly is a BRANCH?

** Representing this data by our GRID Interface??**
Refer to a .DTL file.
- there are 4-letter Strings that seem to correspond to block symbols in the cell library.
- There is a size line: 15|4|, 15 columns by 4 rows?
- Corresponds with the lines of the 4-letter Strings (15 Strings on a line, 4 lines!)
- This is a grid as well! Each string represents what can be placed at a specific coordinate location!

** Can we create test cases from this idea? – YES?!**
The DXF Block cell library uses these 4-letter strings as names of the symbols.
Test cases can be a grid with just strings at each location.

Printing: Using this information, can we create a bitmap, view it and print it?
DXFing: Can we take the symbols and write the drawing to a file?
Creation Module: Needs to successfully parse and place the 4-letter Strings into the grid.

Modules should pass test cases for iteration 1.

** Items for consideration- DON’T FORGET!**
1. Way to do placement:
   - Take results from parsing as a constant flow, calculating the placement on the fly.
- OR, parse with the DLL and create an internal representation of the drawing. After that, send the representation to be placed on the pages.
- The issue: how much of a look-ahead is necessary to do the placement.

2. Similar to a Compiler?!
- first the lexical processing (parsing with the dll)
- next is the semantics (the meaning of the equations, placing it properly)
- then output (create DXF or print the drawing)

III. Action Items

A. Modules Developed & Unit Tested
People Responsible: ALL
Completion Date: Sunday 1/16

Additional notes on action item:

B. Update Draft of Design Document
People Responsible: Jess
Completion Date: Sunday, January 16, 2005

Additional notes on action item:
Finish draft by next meeting.

C. Complete Test Plan
People Responsible: Tim
Completion Date: Sunday, January 16, 2005

Additional notes on action item:
Tim will email people for information he may need to finish this.

D. Start SRS v0.2
People Responsible: Tim
Completion Date: 1/21

Additional notes on action item:
Tim will email for information on corresponding issues.

E. Tentative Plan for Weeks 5 & 6
People Responsible: ALL
Completion Date: 1/21

Additional notes on action item:
After Thursday (1/13) – update SRS w/ feedback (start to SRS v0.2)
Saturday/Sunday (1/15) – begin integration of components
Tuesday (1/18) – integration/system test, use defect tracking spreadsheet!
Thursday (1/20) – update deliverables for beta v0.2.
  EXPECTED:
  Software Requirements Specification (of v0.1)
  Detailed Design Document
  Test Plan/ Test Results
  System Source Code (commented)/ Executable files
  Defect Report

  NICE TO HAVE:
  Readme file(s)
  Metrics Report (effort spent)
  Question/Comments during iteration 1

  *** NEW:
  Draft of SRS v0.2 (for review along with the prototype system)

Friday (1/21) – Send deliverables to ALSTOM for acceptance testing