## Software Development with C++ Templates (541) Lab Submission 1 Checklist

[] Fraction class with arithmetic operators +, -, *, / [] Fractions always presented in normalized form [] Error handling [] Test driver [] Comments (shortcomings, etc.):
[ ] 2.1. Declaration vs Definition A text document describing with a section for the elements to be put into the header (.h) and a section for what should go into the source (.cc) file is sufficient. Other formats (eg, a .h and a .cc file) are also acceptable. Important is a quick comment for each element why it should go into the respective file.
[ ] 2.2. Fraction class with separate compilation [ ] fraction.h and fraction.cc files containing the fraction [ ] util.h and util.cc files (or other) for other functions [ ] .cc file with main which makes use of the above [ ] Test driver [ ] Comments (shortcomings, etc.):
[ ] <b>2.3. RPN Calculator</b> The user-interface does not have to follow precisely the sample given in the exercise. [ ] Arithmetic operations, +, -, *, / [ ] Error handling [ ] Comments (shortcomings, etc.):
[] <b>2.4. Spell Checker</b> [] Spell checking words, identify punctuation characters, etc. correctly [] Comments (shortcomings, etc.):
[ ] 3.1. Function that the compiler cannot inline [ ] Briefly explain here:

[] 3.2. Persistent Vector [] Vector can write data to a file, can read it in [] Test driver with different prectors with different data types [] Comments (shortcomings, etc.):
[] 3.3. RPN Calculator with pvector [] Comments (shortcomings, etc.):
[] 3.4. RPN Calculator with pvector and Templates [] Upon restarting the calculator, we get back the stack [] Tested with int [] Tested with fraction [] Comments (shortcomings, etc.):
[] 4.1. Persistent Vector with Traits [] pvector with traits [] Test driver for pvector <int> [] Test driver for pvector<string> [] Test driver for pvector<fraction> [] pset with traits [] Test driver for different data types [] Comments (shortcomings, etc.):</fraction></string></int>
[] <b>4.2. Interactive dictionary with pset</b> [] Upon restarting the dictionary, we get back the newly inserted words? [] Uses pset from 4.1 [] Comments (shortcomings, etc.):
[] 4.3. RPN Calculator with standard library algorithm [] Comments (shortcomings, etc.):
[ ] <b>4.4. Combineops</b> [ ] Give a short sample here:
[] 4.5. Simple Connect 4 [] Comments (shortcomings, etc.):

[] 4.6. Connect 4 with template-based player [] Human player uses the player interface [] Computer player uses the player interface [] Computer player identifies whether he can win [] How does the computer player check whether he can win:
[] Comments (shortcomings, etc.):
[] <b>5.1. Rectangles and Squares</b> [] Your advice to the computer scientists: