Project 3 Requirements

Shiu-Kai Chin

Week 3

Abstract

The objectives, requirements, and relevant information for Project 3 are stated here. Submission of your files is done through course website.

1 Purpose

The purpose of this project is for you to demonstrate the following:

Capabilities: Basic functional programming skills as evidenced by:

- Code solutions to Exercises 4.6.3, 4.6.4, 5.3.4, and 5.3.5
- Session transcripts showing execution results of required test cases
- Explanations as required by each problem
- All source code for each exercise in the appendix

Use of Relevant Tools and Techniques: LaTeX, AUCTeX, emacs, and ML

Deliverables and Evidence: a pdf of your report with *all source files allowing others to reproduce your report, functional programs, and test results.*

2 Project Requirements

Your report shall have the content as illustrated by *Sample Report for Simple ML Example.* Your report will have the following content, in addition to the Title, Author, Date, Abstract, Acknowledgments, Table of Contents, and report chapters and sections covering:

Chapter 1: Executive Summary stating either

1. All requirements are satisfied with a summary of what was done, or
2. Some requirements are not satisfied due to incorrect or incomplete results, with a summary of what is satisfied, what is incomplete, and/or what is incorrect.

Chapter 2: Exercise 4.6.3 with the following sections

2.1 Problem Statement

2.2 Relevant Code

2.3 Test Cases, Execution Transcripts, and Explanations as Needed

Chapter 3: Exercise 4.6.4 with the following sections

3.1 Problem Statement

3.2 Relevant Code

3   Relevant Information

3.1   Specific Tests

Exercise 4.6.3 Use the tests in ex-4-6-3Tests.sml

Exercise 4.6.4 Use the tests in ex-4-6-4Tests.sml

Exercise 5.3.4 Use the tests in ex-5-3-4Tests.sml

Exercise 5.3.5 Use the tests in ex-5-3-5Tests.sml

3.2   Submission Guidelines

Deadline: check course website

Content & format: gzipped tar file of your Project 3 sub-directory containing a pdf of your report and all source files allowing complete reproduction of your report

How submitted: through course website

Other information: you will be allowed an unlimited number of attempts to submit your files up to the deadline. Your grade is based on the last submission.

3.3   Grading Criteria

Content					Total
Front Matter	Title, author, date, abstract, acknowledgements, table of contents				4 points max
Project Report					
Deliverable Item	**Problem Statement**	**Relevant Code**	**Execution Transcripts & Explanations as Needed**	**Code in Appendix**	**Total**
Chapter 1: Executive Summary	4 points for summary	N/A	N/A	N/A	4 points max
Chapter 2: 4.6.3 (a)–(e)	1	5	5	1	12 points max
Chapter 3: 4.6.4	1	1	1	1	4 points max
Chapter 5: 5.3.4	1	1	1	1	4 points max
Chapter 6: 5.3.5	1	1	1	1	4 points max
Appendix A	N/A	1	N/A	N/A	1 point max
Appendix B	N/A	1	N/A	N/A	1 point max
Appendix C	N/A	1	N/A	N/A	1 point max
Appendix D	N/A	1	N/A	N/A	1 point max
Subtotal	8 points max	12 points max	1 points max	4 points max	36 points max
LaTeX folder with all necessary components to reproduce report					36 points max
				Report Total	72 points max
ML Files					
Deliverable Item					**Total**
Complete & Correct ML Code: 2 points per item					16 points max
				Grand Total	88 points max