Marking scheme for Assignment 1
CSC104, Winter 2006

February 14, 2006

Exercises 3, 4, 5, 6, 7, 8, and the Edgy Ecosystem were marked. PLEASE NOTE: Completing all the work expected in an exercise earns you an A (either 4/5 or 5/6). An A$^+$ (5/5 or 6/6) is reserved for outstanding work that went beyond our expectations. See the "Forms" page on the course web site for re-mark requests.

EXERCISE 3: Marked out of 2:

    0: No evidence the exercise was attempted..

    1: There's a date.

    2: Some non-trivial content.

EXERCISE 4: Marked out of 5:

    0: No evidence this exercise was attempted.

    1: You report, or show, that you ran the commands.

    2: Either a verbatim quote, or a dump of *man ls*, or the simple observation that the second form of the command gave more output.

    3: Some, but not all, of the differences are explained.

    4: A good summary of the differences between the two commands.

    5: A good summary, plus inspired guesses or evidence of active inquiry.

    EXPECTED: The output of the first form of *ls* is a subset of the second form of *ls*'s output. Note that the man page says that *ls -l* gives a long listing (although it may not be clear what "long") means, and the -- *si* gives human-readable output in powers of 1000 versus 1024.

    OUTSTANDING: Conjecture about the meaning of "long," or "size."

EXERCISE 5: Marked out of 5:

    0: No evidence this exercise was attempted.

    1: Report, or show, that ran the commands.

    2: Verbatim quote, or dump of *man df*, or the observation that the second form gave less output.

    3: Some, but not all, of the differences explained.

    4: Good summary of the differences between the two commands.

    5: Good summary, plus inspired guesses or evidence of active inquiry.

    EXPECTED: Second form of *df* outputs a subset of the first form. The man page says that *--local* limits the listing to local file-systems (the meaning of local may be mysterious).

OUTSTANDING: Noticing that the non-local file-systems have a colon in their name. Conjecture about the meaning of local.

EXERCISE 6: Marked out of 5:

0: No evidence this exercise was attempted.

1: Report, or show, that they ran commands.

2: Verbatim quote, or dump, of *man chmod*.

3: Incomplete list of changes caused by *chmod*.

4: Complete (or nearly complete) summary of changes caused by the *chmod command*.

5: Good summary of changes caused by *chmod*, plus conjectures or active inquiry.

EXPECTED: Change from rwx——— to rwx–x–x after *chmod is run*. Man page says that *chmod* changes file access permissions (although it's not expected that one knows what those are). Man page says that 'o' and 'g' mean 'other' and 'group', that '+' means adding a permission, and that 'x' means 'execute' (or 'access directory'). It is not expected that the student knows the meaning in this context of the quoted words.

OUTSTANDING: Conjectures about the meaning of 'other', 'group', and especially 'user', or the effect of 'x' on the directory.

EXERCISE 7: Marked out of 5:

0: No evidence this exercise was attempted.

1: Report, or show, that they tried Google.

2: Report a result over 500 from a single triple

3: Some experimentation with triples, but over 500 hits.

4: Good experimentation with triples, got fewer than 500 hits.

5: Good experimentation, fewer than 500 hits, plus some active inquiry.

EXPECTED: Summary of at least 6 attempts with different triples (re-ordering the words or changing the use of + signs counts as different), with a report of the best result, which must be below 500 to meet the requirements.

OUTSTANDING: Investigated the meaning of + sign or made conjectures about which triples should get a low number of hits, or which pages get hit by nearly every choice of triples.

EXERCISE 8: Marked out of 6:

0: No evidence this exercise was attempted.

1: Report, or show, that they tried editing flypaper.html.

2: Some tags or other content in flypaper.html.

3: Most tags and content in the right sequence in flypaper.html, but some missing or misplaced.

4: Tags and content in the right sequence.

5: Tags and content in the right sequence, some outstanding work.

EXPECTED: Tags in the correct sequence, and some content in the body and title.

OUTSTANDING: Recognized this as web content, experimented with a browser, observed that they have allowed "all" to read this page (whatever that means).

Edgy Ecosystem: Marked out of 6, but with double the weight of the exercises (hence it's worth up to 12 points).

0: No evidence this exercise was attempted.

1: Report, or show, that they ran gnumeric.

2: Filled in headings and the first row.

3: Have about half of the expected results.

4: Have most of the expected results.

5: Have all the expected results.

6: Outstanding.

Expected: Some record of problem-solving steps in figuring out how gnumeric works, and for devising (and understanding) the required formulas. Filled in headings and first row of values. Didn't copy the fixed parameters, but used $-enclosed references to refer to them. Should add the initial population, as was indicated in the formulas and the partially-complete example. Should experiment with the parameters, observe some patterns, and use ceil/floor and max (or some alternative) to avoid negative and fractional populations.

Outstanding: A graph, or thorough experimenting with different parameters, or detailed observations of population fluctuations. Evidence of problem solving à la Polya, or the observation (if it applies) that there were no problems to be solved. Using a working alternative to ceil/floor or max.