CMPT 415: Project Code Rubric

Score	Score	Overall	Description
1200	A+ = 95-100	**Exceptional** near best in class	• Exceptional code contribution ○ Very many difficult features ○ >> 2 assignments of code • Consistent development each week • No issues with code quality.
1000	A = 90-95	**Great**	• Great code contribution ○ Numerous difficult features ○ > ~2 assignments • Consistent development each week • No issues with code quality.
900	A- = 85-90		
800	B+ = 80-85	**Good** meets expectations	• Expected amount of code contribution. ○ A couple important features ○ ~2 assignments • Consistent development each week • At most a few issues with maintainability or clarity of code.
650	B = 75-80		
500	B- = 70-75		
400	C+ = 65-70	**Less than expected**	• Less than expected amount of code contribution. ○ Some features of significant size successfully implement ○ ~1.5 assignments • Less consistent development; some weeks with no work. • OK code quality ○ Code is usable and maintainable ○ May need some code cleanup
300	C = 60-65		
250	C- = 55-60	**Quite a bit less than expected**	• Quite a bit less than expected amount of code contribution. ○ Likely one medium sized feature or less of work. ○ ~1 assignments • Inconsistent development; may do most work at end of iteration. • Possibly poor code quality.
200	D = 50-55	**Significant improvement required**	• Significant improvement required in terms of amount of code contribution. ○ Likely only small sized feature or less of work. ○ ~0.5 assignments • Inconsistent development; may do most work at end of iteration. • Possibly poor code quality. ○ Demonstrated a low understanding of, or commitment to, code quality.
<200	F = < 50	**Extensive improvement required**	• Extensive improvement required in amount of code. ○ Virtually no sizable contribution to code. ○ < ~0.5 assignments • Insufficient evidence to warrant a passing grade. Student should talk to instructor to identify how to address deficiencies and earn a passing grade. • Inconsistent development; may do most work at end of iteration. • Possibly poor code quality. ○ Work below required level for a 3rd year SoSy course.

Note on Working with Git Code Contribution Score

- It’s similar to Lines of code added (1 point per new line of “real” code).
  No credit given to changing indentation, etc.
- Give more credit for students who refactor and remove code (vs just changing a line of code).
- Give more credit for hard, complex, or critical code.
- Give more credit for learning new framework, teaching team.
- Adjust mark by work done as role for team (product owner, scrum master, repo manager).
- About ½ credit given for pair programming.
- Give more credit for design work, helping team-mates, time testing, time doing things not visible directly in code contributions.

Team Roles

- +0 to +10 points given for performance of team role (Scrum Master, Repo Master, Product Owner)
  - Bad: +0
  - Good: +5
  - Great +10
- Usually around +5 in most cases.
  - Repo Manager who spends a lot of time +15.