

CS 472/672 - Software Product Design and Development I (1st Evaluation)

Student1: - Student2: - Student3:

Comments:

General

Collaboration:

☐ Teamwork

Mastery of tools:

<input type="checkbox"/> Makefiles <input type="checkbox"/> gtest <input type="checkbox"/> Tinyxml <input type="checkbox"/> Cmake	<input type="checkbox"/> Doxygen <input type="checkbox"/> Fileserver <input type="checkbox"/> GitHub <input type="checkbox"/> Clion
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Comments:

Tests

O Nt present (= no tests)	O Incorrectly used (= manual test)	O Limited (= nt. everything tested) - domain tests	O Sufficient (= input) - input tests - multiple errors	O good (= output) - output tests - scenarios	O Excellent (= test code good) - subclasses - code duplication
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Comments:

Contracts

O Not present (= no assertion)	O Incorrectly used (= no pre-post) - not in .h file - private/protected	O Limited (= minimum) - properlyInit	O Sufficient (= only pre) - getters	O good (= sometimes pre- post) - setters - output	O Excellent (= sometimes pre-post) - domain model movements
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Comments:

Plan

O Not present (= no planning submitted)	O Incorrectly used (= too late)	O Limited (= nt. everything)	O Sufficient (= all mandatory)	O good (= more) - nt. mandatory - as promised	O Excellent (= almost everything) - grave. impression - graphics engine
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Comments:

Object Oriented Design

<p>O Not present (= no classes)</p> <ul style="list-style-type: none">- everything in huge files	<p>O Incorrectly used (= no pointers)</p> <ul style="list-style-type: none">- duplicate code- 0,1 infinity principle- inefficient data storage	<p>O Limited (= no encapsulation)</p> <ul style="list-style-type: none">- direct (write) accessors- long parameter lists- use of lists in interface
<p>O Sufficient (= domain model)</p> <ul style="list-style-type: none">- classes model the domain<ul style="list-style-type: none">+ class names = nouns- ADT minimum (at least in 1 class)	<p>O Good (= ADT)</p> <ul style="list-style-type: none">- ADT full (any class)<ul style="list-style-type: none">+ function names = verbs- functionality with data (cohesion)- proper use of inheritance	<p>O Excellent (= objects collaboration)</p> <ul style="list-style-type: none">- hollywood principle- input/output is clear separated<ul style="list-style-type: none">+ also in the test code