Student's Java-projects related to the course of Object oriented programming

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This is a presentation about my experience related to student’s projects during the teaching of Object oriented programming at the first year of study in 2006/2007 school year
1. Introduction

Related data

Faculty: “Faculty of computer sciences” (RAF)
(School of computing)
Private faculty

University: “Union”

Course: Object oriented programming

Number of lessons: (14 lectures and 14 exercises)
(90 min. per lesson)

Semester: Second (summer semester)

ECTS: 6

Number of students: 52 (inscribed)

Number of finished projects: 34

2. Characteristics of course

All courses are characterized by two forms:

Form1: OOP F1.doc

Form2: OOP F2.doc
2.1. Extract from F1

<table>
<thead>
<tr>
<th>Activity</th>
<th>Bauds</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ECTS</td>
<td>~100</td>
</tr>
<tr>
<td>Presence during the lectures</td>
<td>5</td>
</tr>
<tr>
<td>Colloquium</td>
<td>30</td>
</tr>
<tr>
<td><strong>Project</strong></td>
<td><strong>10</strong></td>
</tr>
<tr>
<td>Homework</td>
<td>5</td>
</tr>
<tr>
<td>Tests (4)</td>
<td>20 (4x5)</td>
</tr>
<tr>
<td>Final exam</td>
<td>30</td>
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</tbody>
</table>

Students has to earn:
- minimum 39 bauds from pre-final exam obligations
- minimum 16 bauds from final exam

3. Conditions related to project

Student should finish project until to final exam

(Student can not go to work the final exam without finished project!)

Students send the projects to professor by e-mail (or giving CD, …) as zip or rar- file

After reviewing of project, professor informs student (by e-mail) about the result of reviewing and estimation.
Professor can:
  - reject project
  - accept project without changing
  - request some kind of changing

If the project is not accepted, student should offer new project

Professor can look for additional explanation related to sent project.

Programming language Java and GUI should be used

One project per one student

The using of elements of programming language Java described into course is recommended (but not obligatory)

Student could use some programs downloaded from Internet (to pickup some ideas) or from the other sources
Source code should contain names and comments in Serbian.

Short manual about using the program should be included.

The program should be a usable, reasonable unit (whole).

Project can be an applet or an application.

4. Problems related to projects

The main problem is: estimation (valuation, preview, ...) of student’s projects.

(What is the right criterion for evaluation a student’s project?)

The relation between the bauds of the project and the others.

Accumulation of projects during the exam time.
Some student’s projects

Presentation