

Name: *Hand-in assignment*

Context:

The students have done a programming assignment and the code written by the students should be reviewed and approved.

Problem:

The students need to get feedback on the program, especially on the code. The teacher has not enough time to do that.

Solution:

The students test each other's programs and review the code. The review takes place in a computer lab.

Problem detail:

The students solve the assignment alone or in groups. In either case it is called the group in the remaining text.

Solution detail:

1. The groups have resolved a programming assignment. They have access to their program on their own computer or on the computers in the lab.
2. Two groups (that have solved the same assignment) exchange programs with one another (eg. via email).
3. Each group are given a review form to fill in, testcases to run and written instructions.
4. Then the review takes place (duration about 30-40 min).
5. The two groups discuss their programs and give each other feedback. Each group receives the completed review form.
6. Then each group corrects and improves their own program.
7. After a brief check by the teaching assistant the assignment is approved (provided the program is ok). The review form is submitted to the teaching assistant. The forms are used for administration (eg. noting passed) and to make it easy to afterwards check not approved programs (see item 8).
8. Those whose program is not approved must submit the revised program via e-mail.

Remarks:

It might be needed a review session at a later point for those who are unable to attend the ordinary session.

A further advantage of this concept is that the students get training in reading and evaluating code.

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