Automated Marking

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Automated Marking - Why

➢ Tutors put off by marking workload

➢ Time and effort to mark

➢ Consistency of marking and feedback

➢ If one lab build on the previous

    ➢ Speed of marking and time to get feedback

Automated Marking - Disadvantages

- ➢ Tutors not see individual students work
- ➢ Less collaboration with tutors
- ➢ No personal feedback
- ➢ Poor feedback when students missunderstand

Automated Marking - Setup

➤ Manually Download Moodle submission

➤ GitLab commits

➤ Download from git project

➤ Check /src directory mark as downloaded

➤ Configuration of file, method, checks, test and marks

Automated Marking – Find Method

- ➢ Check if file present
- ➢ Check for specific method names
- ➢ If not default like ignore case name
- ➢ Mark refactored method
  - ➢ Check for methods called

Automated Marking – Mark Method

➢ If any terms in method

➢ If any terms in method or class

➢ If all terms in method

➢ If all terms in method and class

➢ Declared in Class

➢ Count in method

➢ Method signature

Automated Marking - Test

- ➢ Run maven tests
- ➢ Find specific test
- ➢ Find default test
- ➢ Check test method like Mark Method e.g. assertTrue
- ➢ Test time out
- ➢ Run student test on student work
- ➢ Copy test from solution and run on student work

Automated Marking – Student Feedback

- Bottom 50/>50% manually marked
- Feedback in three days

Automated Marking – Future Work

➢ Run Moss – to check for plagiarism

➢ Ignores future commits

➢ Determine classes super and sub classes

Marking – Any Questions