M226a Grading Criteria Column C Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- |
| **Environment**  Integrated development environment (IDE) can be used in a professional manner (short-cuts, importing APIs, etc.)  Used a CASE-Tool for UML (stand-alone, plugIn, etc.)  Used a version control tool (Git, Subversion) | (max) | **Points** | |
| **1 P** | 1 | X |
| **1 P** | 2 | X |
| **1 P** | 3 | X |
| **Implementation**  **Your own project has been implemented…**  with use cases   with a sequence diagram  with class diagrams  (a rough sketch at beginning, detailed at end of project)  **Code is runnable**  should run, but doesn’t   it runs for certain use cases, with others it crashes  runs fully  **Exception-Handling is being used**  own Exceptions implemented  **Input and output** via console  using files / data source  very user friendly  **JavaDoc** is used  for min. 80% of classes and min. 80% of methods  **JUnit** is applied  for min. 1 class with min. 2 test methods  for a higher test coverage | **2 P  + 1 P + 2 P + 1 P + 2 P** | 11 | X |
| **1 P**  **-1P + 1 P** | 13 | X |
| **2 P + 2 P** | 17 | X |
| **1 P + 2 P + 2 P** | 22 | X |
| **2 P** | 24 | ? |
| **1 P + 2 P** | 27 | X |
| **Object-orientated concepts in code**  OO-concepts are shown with own written code  Encapsulation / Information Hiding is applied  Delegation is being used Aggregation / Composition is implemented Classes are well structured (ie. what they need to do with clearly defined methods)    Clean code (ie. main-method has no logic), distinction between input and logic (and data)  Project is briefly presented in class / or to teacher | **1 P** | 28 | X |
| **1 P 1 P 1 P + 1 P** | 32 | X |
| **+ 2 P** | 34 | X |
| **+ 2 P** | 36 | X |
| **Documentation** covering design, planning and test cases (use cases) | **4 P** | 40 | ? |

Maximum points: 40; for grade 6 you need min.38pts.; for grade 5: min.30pts; for grade 4: min.23pts; for grade 3 min.15pts. If you have below 23pts the third column in the c-grid remains emtpy.