Script v2

Personal Software Process for Engineers

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| Purpose | To guide you in the development of module-level programs |
| Entry Criteria | * Problem description * GitLab repo |
| Planning | * Ensure that the problem description/requirements statement is clear and unambiguous.   + Post questions in the assignments channel on Slack * Create an issue in GitLab that contains the problem description. * Create a conceptual design of the components needed to implement the required functionality. * Estimate the size of each component, in lines of code * Make your best estimate of the time required to develop each component, and report both the individual estimates and the total. * Create a ‘Planning’ comment in the issue that contains the following:   + A list of the components in your conceptual design   + Your time estimates for each component in hours, minutes (e   + The time it took to make the plan |
| Development | * Implement the design. * Add a ‘Development’ comment on the issue and record your development time |
| Acceptance Test | * Test the program, and fix and record all defects found. * Record each defect you encounter as you work on the assignment by including the PSP Defect Type in a comment on the issue, and in any git commits you create, e.g.: ‘git commit -m “PSP Defect Type: Documentation, <explanation>”’ * When testing is completed, add a ‘Testing’ comment on the issue to record your testing time as a comment on the ‘Testing’ issue. |
| Evaluation | * Create an ‘Evaluation’ comment that includes the following:   + Summarize and record the total time spent on this program.   + Record any notable issues with or opportunities to improve planning, development, or acceptance testing. |
| Exit Criteria | * A thoroughly tested program * Closed ‘Plan’, ‘Develop’, and ‘Evaluation’ issues * Add pjm52 (me) as a collaborator on your assignment3 repo. |

Document Markings

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This material is based upon work funded and supported by the Department of Defense under Contract No. FA8721-05-C-0003 with Carnegie Mellon University for the operation of the Software Engineering Institute, a federally funded research and development center.  
  
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