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| Development Script | |
| Purpose | To guide the development of small programs |
| Entry Criteria | * Requirements statement * Project Plan Summary form with estimated program size and development time * For projects lasting several days or more, completed Task Planning and Schedule Planning templates * Time and Defect Recording logs * Defect Type standard and Coding standard |

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| Step | Activities | Description |
| 1 | Design | * Review the requirements and produce ***an external specification to meet them.*** * ***Complete Functional and Operational Specification templates to record this specification.*** * ***Produce a design to meet this specification.*** * ***Record the design in Functional, Operational, State, and Logic Specification templates.*** * Record in the Defect Recording log any requirements defects found. * Record time in the Time Recording log. |
| 2 | Design  Review | * Follow the Design Review script and checklist and review the design. * Fix all defects found. * Record defects in the Defect Recording log. * Record time in the Time Recording log. |
| 3 | Code | * Implement the design following the Coding standard. * Record in the Defect Recording log any requirements or design defects found. * Record time in the Time Recording log. |
| 4 | Code  Review | * Follow the Code Review script and checklist and review the code. * Fix all defects found. * Record defects in the Defect Recording log. * Record time in the Time Recording log. |
| 5 | Compile | * Compile the program until there are no compile errors. * Fix all defects found. * Record defects in the Defect Recording log. * Record time in the Time Recording log. |
| 6 | Test | * Test until all tests run without error. * Fix all defects found. * Record defects in the Defect Recording log. * Record time in the Time Recording log. * Complete a Test Report template on the tests conducted and the results obtained. |

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| Exit Criteria | * A thoroughly tested program that conforms to the Coding standard * ***Completed Design templates*** * Completed Design Review and Code Review checklists * Completed Test Report template * Completed Time and Defect Recording logs |