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Developing Software: Introduction

(H173 34)

The Practical Assessment

Student Submission Checklist

Please ensure you have included all of the items in the checklist prior to submitting an electronic copy to your lecturer:

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| **Item** | **Comments** | **Yes/No** |
| Requirements Specification | * As issued. Electronic copy on shared drive. |  |
| Structure Chart | * Updated to reflect your implementation * Author updated to your name * Date updated |  |
| Identifier List | * List of each variable used within your code. Update to reflect your implementation * Author updated to your name * Date updated |  |
| Function Specifications:  evaluate\_factorial  create\_username  get\_names  get\_number  menu\_driven\_interface  show\_factorial  show\_username | * Document for each function * Update each specification to match each function you have implemented * Author updated to your name * Date updated |  |
| Functional Test Log:  get\_names | * Title updated with function name, your name, and date * Validate that it correctly produces a username * Minimum of 3 normal, 3 boundary and 3 exceptional for each test |  |
| Functional Test Log:  get\_number | * Title updated with function name, your name, and date * Validate that it correctly calculates a factorial * Minimum of 3 normal, 3 boundary and 3 exceptional for each test |  |
| Input Validation Test Log:  get\_names | * Title updated with function name, your name, and date * Test each input (forename, surname) separately for different user inputs * Minimum of 3 normal, 3 boundary and 3 exceptional for each test |  |
| Input Validation Test Log:  get\_number | * Title updated with function name, your name, and date * Test the whole number input for different user inputs * Minimum of 3 normal, 3 boundary and 3 exceptional for each test |  |
| Input Validation Test Log:  menu\_driven\_interface | * Title updated with function name, your name, and date * Test the menu input for different user inputs * Minimum of 3 normal, 3 boundary and 3 exceptional for each test |  |
| Implementation | * .cpp file * fully commented code * code well laid out – use spacing/tabs * local variables * parameter passing between functions * sensible variable/function names |  |