*Functional Specification Template*

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| **Student** | Lucía Cantú-Miller | **Program #** | 4 |

**Include the image of the class diagram created for the program:**

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| Distribution |
| + f: double |
| - Distribution(x: double, dof: double): double  -Gamma(x: double): double |

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| Simpson |
| + x: double  + dof: double  + p: double  + pAux: double  + w: double  + num\_seg: int |
| - SimpsonRule(): double  - CalculateDiference (): double  - GetSimpson(x: double, dof: double): double |

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| Main |
| + p: double  + x: double  + dof: double |
| - Main(): int |

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