



IT414 - Software Project Management

Functional Point Estimation

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Exercise-1:

	Complexity			
Description	Low	Medium	High	Total
Inputs	<u>0</u> x 3	<u>8</u> x 4	<u>1</u> x 6	<u>38</u>
Outputs	<u>0</u> x 4	<u>4</u> x 5	<u>0</u> x 7	<u>20</u>
Queries	<u>0</u> x 3	<u>0</u> x 4	<u>3</u> x 6	<u>18</u>
Files	<u>1</u> x 7	<u>2</u> x 10	<u>3</u> x 15	<u>72</u>
Program Interfaces	<u>0</u> x 5	<u>2</u> x 7	<u>2</u> x 10	<u>34</u>

Total Unadjusted Function Points (TUFPP): 182

(0=no effect on processing complexity; 5=great effect on processing complexity)

	0-5
Data communications	<u>2</u>
Heavily use configuration	<u>4</u>
Transaction rate	<u>3</u>
End-user efficiency	<u>5</u>
Complex processing	<u>4</u>
Installation ease	<u>2</u>
Multiple sites	<u>3</u>
Performance	<u>4</u>
Distributed functions	<u>3</u>
On-line data entry	<u>4</u>
On-line update	<u>3</u>
Reusability	<u>4</u>
Operational ease	<u>5</u>
Extensibility	<u>3</u>

Processing Complexity (PC): 49

Adjusted Processing Complexity (PCA) = $0.65 + (0.01 * \underline{49})$

Total Adjusted Function Points (TAFFP): 1.14 * 182 = **207.48**

Exercise-2

	Complexity			
Description	Low	Medium	High	Total
Inputs	<u>0</u> x 3	<u>2</u> x 4	<u>1</u> x 6	<u>14</u>
Outputs	<u>0</u> x 4	<u>2</u> x 5	<u>1</u> x 7	<u>17</u>
Queries	<u>0</u> x 3	<u>1</u> x 4	<u>0</u> x 6	<u>4</u>
Files	<u>0</u> x 7	<u>0</u> x 10	<u>1</u> x 15	<u>15</u>
Program Interfaces	<u>0</u> x 5	<u>0</u> x 7	<u>1</u> x 10	<u>10</u>

Total Unadjusted Function Points (TUFPP): 60

(0=no effect on processing complexity; 5=great effect on processing complexity)

	0-5
Data communications	<u>2</u>
Heavily use configuration	<u>4</u>
Transaction rate	<u>3</u>
End-user efficiency	<u>4</u>
Complex processing	<u>3</u>
Installation ease	<u>2</u>
Multiple sites	<u>3</u>
Performance	<u>4</u>
Distributed functions	<u>3</u>
On-line data entry	<u>4</u>
On-line update	<u>4</u>
Reusability	<u>2</u>
Operational ease	<u>4</u>
Extensibility	<u>3</u>

Processing Complexity (PC): 45

Adjusted Processing Complexity (PCA) = $0.65 + (0.01 * \underline{45})$

Total Adjusted Function Points (TAFFP): 1.1 * 60 = **66**