Project 3: PG Admissions

Functional Point Analysis

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	Simple	Average	Complex
Inputs	2	1	1
Outputs	1	2	1
Data Stores	0	1	1
Processing Inquires	0	0	2
Processing Updates	0	1	2
External Interfaces	0	1	1

Inputs

2 simple X 2 = 04

1 average X 4 = 04

1 complex X 6 = 06

Outputs

1 simple X 3 = 03

2 average X 5 = 10

1 complex X 7 = 07

Data Stores

0 simple X 5 = 00

1 average X 10 = 10

1 complex X 15 = 15

Processing Inquiries

0 simple X 2 = 00

0 average X 4 = 00

2 complex X 8 = 16

Processing Updates

0 simple X 4 = 00

0 average X 8 = 00

1 complex X 12 = 12

External Interfaces

0 simple X 2 = 00

1 average X 4 = 04

1 complex X 8 = 08

Unadjusted function points: 99

The 14 factors that affect the size of the project effort :-

	General System Characteristic	Brief Description	Ranking (0-5)
1	Data communications	How many communication facilities are there to aid in the transfer or exchange of information with the application or system?	4
2	Distributed data processing	How are distributed data and processing functions handled?	3
3	Performance	Did the user require response time or throughput?	4
4	Heavily used configuration	How heavily used is the current hardware platform where the application will be executed?	0
5	Transaction rate	How frequently are transactions executed daily, weekly, monthly, etc.?	3
6	Online data entry	What percentage of the information is entered Online?	5
7	End-user efficiency	Was the application designed for end-user efficiency?	4
8	Online update	How many ILF's are updated by Online transaction?	3
9	Complex processing	Does the application have extensive logical or mathematical processing?	2
10	Reusability	Was the application developed to meet one or many user's needs?	4
11	Installation ease	How difficult is conversion and installation?	3
12	Operational ease	How effective and/or automated are start-up, backup, and recovery procedures?	3
13	Multiple sites	Was the application specifically designed, developed, and supported to be installed at multiple sites for multiple organizations?	1

14	Facilitate change	Was the application specifically designed, developed, and supported to facilitate change?	2

Adjustment Influence (AI) = 41

Complexity-Adjustment-Factor (CAF) = 0.65 + 0.01 * AI

= 0.65 + 0.01 * 41

= 1.06

Adj-FP = Unadj-FP * CAF

= 99 * 1.06

= 104.94 = approx 105