Storm Cloud Development

Project CM
Function Points

Version 1.0

Revision History

Date	Version	Description	Author
09/Apr/2014	1.0	Initial function points calculation	Storm Cloud Development

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Function Points

1. Function Point Calculation

1.1 Brief Description

Function points are a measurement for the complexity of software. They are based on different factors like number of input and output of the user and they’re not based on a special programming language. This document shows the calculations for different use cases.

2. Use Cases

2.1 Login

Function point calculation for the use case “login”.

	Login	
Domain Characteristic Table		
Number of User Input	2	Simple
Number of User Outputs	2	Simple
Number of User Inquiries	0	Simple
Number of Files	1	Simple
Number of External Interfaces	1	Simple
Complexity Adjustment Table		
Does the system require reliable backup and recovery?	0	
Are data communications required?	4	
Are there distributed processing functions?	0	
Is performance critical?	0	
Will the system run in an existing, heavily utilized operational environment?	0	
Does the system require on-line data entry?	5	
Does the on-line data entry require the input transaction to be built over multiple screens or operations?	1	
Are the master files updated on-line?	0	
Are the inputs, outputs, files or inquiries complex?	0	
Is the internal processing complex?	1	
Is the code to be designed reusable?	1	
Are conversion and installation included in the design?	0	
Is the system designed for multiple installations in different organizations?	0	
Is the application designed to facilitate change and ease of use by the user?	0	
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2.2 Manage calendars

Function point calculation for the use case “manage calendars”.

	Manage Calendars
Domain Characteristic Table	
Number of User Input	5 Simple
Number of User Outputs	5 Simple
Number of User Inquiries	3 Simple
Number of Files	5 Simple
Number of External Interfaces	1 Simple
Complexity Adjustment Table	
Does the system require reliable backup and recovery?	3
Are data communications required?	4
Are there distributed processing functions?	2
Is performance critical?	0
Will the system run in an existing, heavily utilized operational environment?	0
Does the system require on-line data entry?	5
Does the on-line data entry require the input transaction to be built over multiple screens or operations?	5
Are the master files updated on-line?	2
Are the inputs, outputs, files or inquiries complex?	1
Is the internal processing complex?	1
Is the code to be designed reusable?	0
Are conversion and installation included in the design?	0
Is the system designed for multiple installations in different organizations?	0
Is the application designed to facilitate change and ease of use by the user?	0
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2.3 Logout

Function point calculation for the use case “logout”.

	Logout
Domain Characteristic Table	
Number of User Input	1 Simple
Number of User Outputs	1 Simple
Number of User Inquiries	0 Simple
Number of Files	1 Simple
Number of External Interfaces	1 Simple
Complexity Adjustment Table	
Does the system require reliable backup and recovery?	0
Are data communications required?	3
Are there distributed processing functions?	0
Is performance critical?	0
Will the system run in an existing, heavily utilized operational environment?	0
Does the system require on-line data entry?	5
Does the on-line data entry require the input transaction to be built over multiple screens or operations?	1
Are the master files updated on-line?	0
Are the inputs, outputs, files or inquiries complex?	0
Is the internal processing complex?	0
Is the code to be designed reusable?	1
Are conversion and installation included in the design?	0
Is the system designed for multiple installations in different organizations?	0
Is the application designed to facilitate change and ease of use by the user?	0
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3. Calculation Diagram

Below you can see the function point calculation diagram. It can be used to estimate the time which has to be spent to implement further use cases, based on the time spent of implemented use cases and their function points.