
Storm Cloud Development

Project CM Function Points

Version 1.0

Project CM	Version: 1.0
Function Points	Date: 09/Apr/2014

Revision History

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

Project CM	Version: 1.0
Function Points	Date: 09/Apr/2014

Table of Contents

1. Use-Case manage calendars	Error! Bookmark not defined.
1.1 Brief Description	4
1.2 Stored data	Error! Bookmark not defined.
1.2.1 Overview	Error! Bookmark not defined.
1.2.2 Description	Error! Bookmark not defined.
2. Flow of Events	Error! Bookmark not defined.
2.1 Screen Flow	Error! Bookmark not defined.
2.2 Use Case Flows	Error! Bookmark not defined.
2.2.1 Show all calendars (List View)	Error! Bookmark not defined.
2.2.2 Show single calendar (View Single)	Error! Bookmark not defined.
2.2.3 Create new calendar (Create)	Error! Bookmark not defined.
2.2.4 Edit calendar (Edit)	Error! Bookmark not defined.
2.2.5 Delete calendar (Delete)	Error! Bookmark not defined.
3. Special Requirements	Error! Bookmark not defined.
4. Preconditions	Error! Bookmark not defined.
4.1 Rights	Error! Bookmark not defined.
4.2 Calendar	Error! Bookmark not defined.
5. Postconditions	Error! Bookmark not defined.
5.1 Calendar	Error! Bookmark not defined.
6. Extension Points	Error! Bookmark not defined.
7. Cucumber test scenario	Error! Bookmark not defined.
8. Mockups	Error! Bookmark not defined.
8.1 Show all calendars	Error! Bookmark not defined.
8.2 Show single calendar	Error! Bookmark not defined.
8.3 Create new calendar	Error! Bookmark not defined.
8.3.1 Insert data view	Error! Bookmark not defined.
8.3.2 Error: Data not correct	Error! Bookmark not defined.
8.3.3 Data save failed	Error! Bookmark not defined.
8.3.4 Success: Data stored	Error! Bookmark not defined.
8.4 Edit calendar	Error! Bookmark not defined.
8.4.1 Insert data view	Error! Bookmark not defined.
8.4.2 Error: Data not correct	Error! Bookmark not defined.
8.4.3 Error: Data save failed	Error! Bookmark not defined.
8.4.4 Success: Data stored	Error! Bookmark not defined.
8.5 Delete calendar	Error! Bookmark not defined.
8.5.1 Confirm view	Error! Bookmark not defined.
8.5.2 Error: Deletion failed	Error! Bookmark not defined.
8.5.3 Success: Data deleted	Error! Bookmark not defined.
9. Diagram	8

Project CM	Version: 1.0
Function Points	Date: 09/Apr/2014

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.

Project CM	Version: 1.0
Function Points	Date: 09/Apr/2014

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	
Function Points	20	

Project CM	Version: 1.0
Function Points	Date: 09/Apr/2014

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
Function Points	74

Project CM	Version: 1.0
Function Points	Date: 09/Apr/2014

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
Function Points	14

Project CM	Version: 1.0
Function Points	Date: 09/Apr/2014

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.

