**Function Point Count**

Image result for instant edge logo

**The Enterprise Transformation Platform**

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| --- | --- |
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| --- | --- |
| Document Reference: | ISS\_IE\_FPC\_1.0 |
| Client: | **I**nstant **E**dge |
| Project: | **I**nstant **E**dge- Manage Operations Module |
| Document Title: | Function point Count |
| Version | 1.0 |
| Date | 20/09/2016 |
| Author | Rameswari Mohanty |

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|  |  |  |  |  |
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| Version | Review & Approval Form Number | Date | Brief description of amendments and affected pages, paragraph | Author |
| 1.0 |  | 20/09/2016 | Initial version | Rameswari Mohanty |
| 2.0 |  | 8/01/2016 | Function point for Sprint 2 | Vrinda Gupta |

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Assign Service to Service Portfolio

Delete Service Portfolio

Modify Service Portfolio

Create Service Portfolio

Assign Service Portfolio Dimension to Service Portfolio

Search Service Portfolio

Display Service Portfolio Dimension

Delete Service Portfolio Dimension

Modify Service

Create Service

Delete Service

Search Service

Modify Service Portfolio Dimension

Create Service Portfolio Dimension

Display Service Portfolio

Service

Service Portfolio Dimension

Service Portfolio

Login

Display Service

User Data

# **Function Point Counting Worksheets**

**1. Data Functions**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Internal Logical Files** | | | **Elements of complexity** | |  |
| No | Type | Reference | Description | DET | RET | Complexity |
| 1 | ILF |  | **Service Portfolio Dimensions** | 3 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  |  |  |  |  |
| 2 | ILF |  | **Service Portfolio** | 7 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  |  |  |  |  |
| 3 | ILF |  | **Service** | 7 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Status |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Description |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  |  |  |  |  |
| 4 | ILF |  | **User Data** | 5 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Client Name |  |  |  |
|  |  |  | Password |  |  |  |
|  |  |  | Actor |  |  |  |

**2. Data Transaction**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Input/Output/Enquiry** | | | **Elements of complexity** | |  |
| No | Type | Reference | Description | DET | FTR | Complexity |
| 1 | EI |  | **Create Service Portfolio** | 8 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  | Error message |  |  |  |
|  |  |  |  |  |  |  |
| 2 | EI |  | **Modify Service Portfolio** | 8 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  | Error message |  |  |  |
|  |  |  |  |  |  |  |
| 3 | EI |  | **Delete Service Portfolio** | 7 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  |  |  |  |  |
| 4 | EI |  | **Create Service Portfolio Dimension** | 4 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Error Message |  |  |  |
|  |  |  |  |  |  |  |
| 5 | EI |  | **Modify Service Portfolio Dimension** | 4 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Error Message |  |  |  |
|  |  |  |  |  |  |  |
| 6 | EI |  | **Delete Service Portfolio Dimension** | 3 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  |  |  |  |  |
| 7 | EI |  | **Create Service** | 8 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Status |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Description |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  | Error Message |  |  |  |
|  |  |  |  |  |  |  |
| 8 | EI |  | **Modify Service** | 8 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Status |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Description |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  | Error Message |  |  |  |
|  |  |  |  |  |  |  |
| 9 | EI |  | **Delete Service** | 7 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Status |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Description |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  |  |  |  |  |
| 10 | EI |  | **Assign Service to Service Portfolio** | 12 | 2 | H |
|  |  |  | **Service Portfolio** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  | **Service** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  |  |  |  |  |
| 11 | EI |  | **Assign Service Portfolio Dimension to Service Portfolio** | 9 | 2 | A |
|  |  |  | **Service Portfolio Dimension** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | **Service** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  |  |  |  |  |
| 12 | EO |  | **Display Service** | 7 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Status |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Description |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  |  |  |  |  |
| 13 | EO |  | **Display Service Portfolio Dimension** | 3 | 1 | L |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  |  |  |  |  |
| 14 | EO |  | **Display Service Portfolio** | 15 | 3 | H |
|  |  |  | **Service Portfolio** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  | **Service Portfolio Dimension** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | **Service** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  |  |  |  |  |
| 15 | EQ |  | **Login** | 3 | 2 | L |
|  |  |  | **Input** |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Password |  |  |  |
|  |  |  | **Output** |  |  |  |
|  |  |  | Role Based Screen |  |  |  |
|  |  |  |  |  |  |  |
| 16 | EQ |  | **Search Service Portfolio** | 15 | 3 | H |
|  |  |  | **Input Service portfolio** |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  | **Input Service portfolio dimension** |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | **Output** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Category |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Version |  |  |  |
|  |  |  | Actor |  |  |  |
|  |  |  |  |  |  |  |
| 17 | EQ |  | **Search Service** | 10 | 2 | A |
|  |  |  | **Input** |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Status |  |  |  |
|  |  |  | **Output** |  |  |  |
|  |  |  | ID |  |  |  |
|  |  |  | Name |  |  |  |
|  |  |  | Type |  |  |  |
|  |  |  | Status |  |  |  |
|  |  |  | Class |  |  |  |
|  |  |  | Description |  |  |  |
|  |  |  | Actor |  |  |  |

**Unadjusted Function Point count summary:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ITEM** | **LOW** | **AVERAGE** | **HIGH** | **TOTAL** |
| External Input | 9\*3=27 | 1\*4=4 | 1\*6=6 | 37 |
| External Output | 2\*4=8 | 0\*5=0 | 1\*7=7 | 15 |
| Internal File | 4\*7=28 | 0\*10=0 | 0\*15=0 | 28 |
| Interface file | 0\*5=0 | 0\*7=0 | 0\*10=0 | 0 |
| External Inquiry | 1\*3=3 | 1\*4=4 | 1\*6=6 | 13 |
|  |  | Unadjusted  Function Points = | | 93 |

|  |  |  |
| --- | --- | --- |
| **CHARACTERISTIC** | **DI** |  |
| Data Communications | 4 | It supports online data updating. |
| Distributed Functions | 4 | Data is transferred online, support access from different end points |
| Performance | 3 | The system must respond in real time |
| Heavily Used Configuration | 3 | Configuration of Master data and administration data. |
| Transaction Rate | 3 | No peak time specified, but contains lots of transactions |
| Online Data Entry | 3 | All transactions are directly entered into system |
| End User Efficiency | 3 | Support IE, Chrome, Firefox etc. |
| Online Update | 3 | All of the major data files shall be updated online |
| Complex Processing | 1 | No complicated algorithms and process identified |
| Re-usability | 4 | Codes should be reusable |
| Installation Ease | 0 | Nothing said |
| Operational Ease | 4 | Easy to operate |
| Multiple Sites | 1 | Only deployed on AWS |
| Facilitate Change | 0 | Nothing said |
| **Total Degree of Influence** | 36 |  |

Adjusted FPC = Unadjusted FPC \* Adjustment Factor = 93 \* (0.65 + 0.01\*36) = 93.93 =94





