Function point count

Function Point Count is a way to measure the size and complexity of a project based upon its features, inputs and outputs. It mainly focuses on what users are giving input into the system and what the users are getting an output.

* **Inputs (EI):** It is a count for each unique thing users put into the system.
* **Outputs (EO):** It is a count for each unique thing the system gives back to users.
* **Inquiries (EQ):** It is a count for each unique question users ask that gets an immediate response.
* **Internal Files (ILF):** It is a count for each group of related data the system manages internally.
* **External Files (EIF):** It is a count for each group of related data used by the system but managed by an external source.
* And each of these weights based upon its complexity

Formula to calculate the Function Point Count is:

**FPC= (EI \* EI Weight) + (EO \* EO Weight) + (EQ \* EQ Weight) + (ILF \* ILF Weight) + (EIF \* EIF Weight)**

Based on our project values calculated are

EI = 32

EO = 160

EQ = 31

ILF = 6

EIF = 0

We need to assign the complexity weights to each component based on their complexity level (Low, Average, High)

**Weights**:

EI Weight = 4

EO Weight = 4

EQ Weight = 4

ILF Weight = 6

EIF Weight = 3

Now we must plug these values into the Function Point Count Formula

FPC = (32 \* 4) + (160 \* 4) + (31 \* 4) + (6 \* 6) + (0 \* 3)

FPC= 128 + 640 + 124 + 36 +0

FPC = 928

Hence the Function Point Count for our project is 928