Line of code

1. UFP

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Function | Type | DETs | RETs/FTRs | Complexity | Weight | Value |
| 1 | Log in | EI | 2 | 3 | Low | 3 | 9 |
| 2 | Sign up | EI | 2 | 3 | Low | 3 | 9 |
| 3 | check if user exist | EQ | 15 | 2 | Average | 4 | 8 |
| 4 | Collect user information | EI | 15 | 4 | High | 4 | 16 |
| 5 | add new reminder | EI | 5 | 2 | Average | 4 | 8 |
| 6 | add new video | EI | 12 | 4 | High | 6 | 24 |
| 7 | read admin report | EQ | 15 | 3 | Average | 4 | 12 |
| 8 | read user achievement | EQ | 15 | 3 | Average | 4 | 12 |
| 9 | upgrade to pro | EI | 5 | 3 | Average | 4 | 12 |
| 10 | retrieve video | EQ | 12 | 3 | Average | 4 | 12 |
| 10 | recomment video | ILF | 17 | 3 | Low | 7 | 21 |
| 11 | display video | EO | 12 | 4 | High | 7 | 28 |
| 12 | edit profile information | EI | 20 | 5 | High | 6 | 30 |
| Total UFP | | | | | | | 201 |

1. Degree of Influence and VAF

|  |  |  |
| --- | --- | --- |
| 1 | Data Communication | 3 |
| 2 | Distributed Data Processing | 0 |
| 3 | Performance | 2 |
| 4 | Configuration | 1 |
| 5 | Transaction | 2 |
| 6 | Online Data Entry | 0 |
| 7 | End user Efficiency | 2 |
| 8 | Online Update | 0 |
| 9 | Complex Processing | 0 |
| 10 | Reusability | 3 |
| 11 | Installation Ease | 2 |
| 12 | Operational Ease | 3 |
| 13 | Multiple Sites | 0 |
| 14 | Change Requirement | 3 |
| Total DI | | 21 |

VAF = 0.65 + (0.01\*21) = 0.86

FP = UFP \* VAF = 201 \* 0.86= 172.86 ~173

LOC using dart:

= 173\*48

= 8304 line of code