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| --- | --- | --- | --- | --- |
| S.No | Features | Expert 1 | Expert 2 | SLOC (average) |
| Sprint 1 | | | | |
| 1 | Home Page | 330 | 270 | 300 |
| 2 | About us / Information | 140 | 160 | 150 |
| 3 | Displaying the store and offers | 170 | 130 | 150 |
| 4 | Database management | 240 | 260 | 250 |
| 5 | Donor Button and NGO services | 100 | 100 | 100 |
| Sprint 2 | | | | |
| 6 | Store selection | 100 | 140 | 120 |
| 7 | Product selection | 100 | 140 | 120 |
| 8 | Availability duration of the product | 60 | 60 | 60 |
| 9 | Login/ Sign up/ profile page | 350 | 250 | 300 |
| 10 | Feedback channel | 100 | 80 | 90 |
| 11 | Reserve button, Cart page and timer | 200 | 300 | 250 |
| 12 | Database Management | 300 | 400 | 350 |
| Sprint 3 | | | | |
| 13 | Subscription | 190 | 150 | 170 |
| 14 | Privacy Policy | 110 | 90 | 100 |
| 15 | Social media | 90 | 90 | 90 |
| 16 | Search Box | 180 | 220 | 200 |
| 17 | Coupons/ offers / Reserve button enabling/ disabling | 140 | 160 | 150 |
| 18 | Database Management | 370 | 330 | 350 |
| 19 | Displaying the Quantity of the product | 60 | 60 | 60 |
| Total | | 3,330 | 3,390 | **3,360** |

5 scale drivers

* Precedentedness(PREC)
* Development Flexibility(FLEX)
* Architecture / Risk Resolution(RESL)
* Team Cohesion(TEAM)
* Process Maturity(PMAT)

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Scale drivers/ Scale factors | Very Low | Low | Nominal | High | Very High | Extra High | Our estimated value |
| PREC | 6.2 | 4.96 | 3.72 | 2.48 | 1.24 | 0 | 6.2 |
| FLEX | 5.07 | 4.05 | 3.04 | 2.03 | 1.01 | 0 | 1.01 |
| RESL | 7.07 | 5.62 | 4.24 | 2.83 | 1.41 | 0 | 2.38 |
| TEAM | 5.48 | 4.38 | 3.29 | 2.19 | 1.1 | 0 | 1.1 |
| PMAT | 7.8 | 6.24 | 4.68 | 3.12 | 1.56 | 0 | 6.24 |

Cost Drivers

Product factors

* Required software reliability (RELY)
* Software product complexity(CPLX)
* Developed for Reusability (RUSE)

Personnel factors

* Analyst Capability (ACAP)
* Programmer Capability (PCAP)
* Applications Experience (AEXP)
* Platform Experience (PEXP)
* Language and Tool Experience (LTEX)

Project factors

* Use of Software Tools (TOOL)
* Required Development Schedule (SCED)

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Cost Drivers/ Scale factors | Very Low | Low | Nominal | High | Very High | Extra High | Our estimated value |
| Product Factors | | | | | | | |
| RELY | 0.82 | 0.92 | 1 | 1.10 | 1.26 |  | 0.92 |
| CPLX | 0.73 | 0.87 | 1 | 1.17 | 1.34 | 1.74 | 0.73 |
| RUSE |  | 0.95 | 1 | 1.07 | 1.15 | 1.24 | 1 |
| Personnel Factors | | | | | | | |
| ACAP | 1.42 | 1.19 | 1 | 0.85 | 0.71 |  | 0.71 |
| PCAP | 1.34 | 1.15 | 1 | 0.88 | 0.76 |  | 0.88 |
| AEXP | 1.22 | 1.10 | 1 | 0.88 | 0.81 |  | 1 |
| PEXP | 1.19 | 1.09 | 1 | 0.91 | 0.85 |  | 1 |
| LTEX | 1.20 | 1.09 | 1 | 0.91 | 0.84 |  | 1 |
| Project Factors | | | | | | | |
| TOOL | 1.17 | 1.09 | 1 | 0.90 | 0.78 |  | 0.90 |
| SCED | 1.43 | 1.14 | 1 | 1 | 1 |  | 1 |

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| --- | --- | --- |
| Role | Members | |
| **Resource Id’s** | **Pair Id’s** |
| Product Owner | R1 | - |
| Scrum master | R3 | - |
| Sprint 1 | | |
| Analyst | R8,R5 | P4 |
| Designer | R2,R6 | P3 |
| Developer | R1,R3,R4,R7 | P1,P2 |
| Tester | R4,R7 | P2 |
| Sprint 2 | | |
| Analyst | R8,R5 | P4 |
| Designer | R2,R6 | P3 |
| Developer | R1,R3,R4,R7 | P1,P3 |
| Tester | R4,R7 | P2 |
| Sprint 3 | | |
| Analyst | R8,R5 | P4 |
| Designer | R2,R6 | P3 |
| Developer | R1,R3,R4,R7 | P1,P4 |
| Tester | R4,R7 | P2 |

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| --- | --- | --- | --- | --- |
| Level | WBS Code | Task | Task Description | Level of Satisfaction |
| 0 | 0 | Food Service project |  |  |
| 1 | 1 | Initial Planning |  |  |
| 2 | 1.1 | Team and Topic |  |  |
| 3 | 1.1.1 | Team Introduction | Members in the team introduce themselves to each other |  |
| 3 | 1.1.2 | Topic ideas discussion | Ideas expressed by all team members are discussed among themselves |  |
| 2 | 1.2 | Topic and methodology selection | One topic is selected from all the available ideas based on the pros and cons |  |
| 3 | 1.2.1 | Brain storming different methodologies | Different methodologies that are used in the present industry are identified and discussed |  |
| 3 | 1.2.2 | Agile selected based on team consensus | Individual perspective regarding the methodologies are provided. Methodology is finalized when all the team members came to consensus |  |
| 2 | 1.3 | Team Division |  |  |
| 3 | 1.3.1 | Roles and responsibilities based on skills |  |  |
|  |  | **Features identified** |  |  |
|  |  | **Estimations technique** |  |  |
|  |  | Prioritization |  |  |
|  |  | Sprint Planning |  |  |
|  |  | Sprint division |  |  |
|  |  | Sprint goal |  |  |
|  |  | Sprint backlog |  |  |
|  |  | Project plan |  |  |
|  |  | Sprint 1 |  |  |
|  |  | Analysis |  |  |
|  |  | Gather data about tools |  |  |
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