**Software Test Estimation Template**

**Here is a sample template to be used for software estimations.**

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| **Project Name:** [Google Search Engine] |  |
| **Estimation Date:** [18/10/2023] |  |
| **Estimation Prepared By:** [Aparna Asthana] |  |
| **Estimation Reviewed By:**[Name of Reviewer] |  |
| **Project Overview:**  **Overview:**  Google is a fully-automated search engine that uses software known as "web crawlers" that explore the web on a regular basis to find sites to add to our index.  **Objective:**  Google's mission is to organize the world's information and make it universally accessible and useful. That's why Search makes it easy to discover a broad range of information from a wide variety of sources.  **Scope:**  A search engine is a software program that helps people find the information they are looking for online using keywords or phrases. Search engines are able to return results quickly—even with millions of websites online—by scanning the Internet continuously and indexing every page they find. |  |
| **Test Scope:**  Scope items for testing UI and functional testing including negative testing. |  |
| **Test Types Included:**  Functional, regression, performance, security, sanity, integration. |  |
| **Assumptions:**  Rework on  Test Plan,Test cases, Requirement updates, Unplanned leaves. |  |
| **Estimation Technique:**  Three point Estimation Technique. |  |
| **Contingency:** |  |
| Contingency is tracked throughout the projects for unknown risk and adjusted as per the requirement and analysed to reduce the impact. Here product owner has a most important role he connects with customer and help in resolving those risks and makes sure the next iteration of development closes these issues |  |
| **Dependencies:**  Availability of developers and preparation of Test Environment. |  |
| **Risks and Mitigation Strategies:**  Monitoring to Project Performance  Monitoring to Project schedule  Monitoring to Project Cost |  |
| **Estimation Approval:** By Project Manager |  |

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| **Test Effort Breakdown** |
| Test Activity | Estimated Effort (hours/days) | | Assumptions/Notes |
| Test Planning and Strategy | 8 |  |
| [**Test Case Design**](https://testsigma.com/blog/test-case-design-techniques/) | 16 |  |
| Test Environment Setup | 8 |  |
| Test Data Preparation | 4 |  |
| Test Execution    -Functional  -Regression -Performance -Security -Other | 8,4.8.4, |  |
| Defect Reporting and Tracking | 8 |  |
| [**Test Closure and Reporting**](https://testsigma.com/blog/test-closure-report/) | 4 |  |
| Total Estimated Test Effort |  |  |

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| **ID\*** | **TDLC Activity  (General Activities - estimate only which apply to the project )** | **Unit of Size** | **Time per Unit Size in person hours** | **Total # of Size Units** | **Complexity** High = 1.75 Medium = 1.25  Low = 1 | **Staff Skill Level** Little Experience = 2 Some Experience = 1.5  Extensive Experience= 1 | **Rework** High = 1.5 Medium = 1.25 Low = 1.1 No Rework = 1.0 | **TOTAL Effort in Hours (PH)** | **Comments** |
|  | **Project Initiation:Assessment** |  |  |  |  |  |  |  |  |
|  | Understand Business Requirements |  | 5 | 1 | 1 | 1.5 | 1.25 | **9.38** |  |
|  | Analyze/Review Business Requirements |  |  |  |  |  |  | **0.00** |  |
|  | Prepare OOM Estimates |  |  |  |  |  |  | **0.00** |  |
|  | **Plan** |  |  |  |  |  |  |  |  |
|  | Analyze/Review Functional/ Non Functional requirements |  | 2.23 | 2 | 1.5 | 1.5 | 1 | **10.04** |  |
|  | Define Test Management Tool or Set up of any vendor tool |  |  |  |  |  |  | **0.00** |  |
|  | Prepare High Level/Master Test Plan |  | 0.5 | 15 | 1.25 | 1.5 | 1.25 | **17.58** |  |
|  | Test Plan Review, Rework and Sign off |  |  |  |  |  |  | **0.00** |  |
|  | Prepare Requirement Estimates |  |  |  |  |  |  | **0.00** |  |
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| **Execute Test (Refer Test Effort Counter and BenchMark)** | Test Cases | 18.50 | 1 | 1 | 1 | 1 | **18.50** |  |
| Execute Regression Test Suite |  |  |  |  |  |  | **0.00** |  |
| Execute Oneshot/Data conversion/Data Validation Test |  |  |  |  |  |  | **0.00** |  |
| Update Test Plan |  | 0.5 | 15 | 1 | 1 | 1 | **7.50** |  |
| Update Test Scenarios | Scenarios | 0.2 | 22 | 1 | 1 | 1 | **4.40** |  |
| Update Test scripts/Cases | Test Cases | 0.2 | 22 | 1 | 1 | 1 | **4.40** |  |
| Coordinate UAT and Retest UAT defects |  |  |  |  |  |  | **0.00** |  |
| Execute any Weekend Checkout Acitivity |  |  |  |  |  |  | **0.00** |  |
| Post-Implementation Support |  |  |  |  |  |  | **0.00** |  |
| **Others** |  |  |  |  |  |  |  |  |
| Meetings - Status Meetings, Change control meetings, Planning meetings, Touchpoint etc |  |  |  |  |  |  | **0.00** |  |
| Onshore Coordination efforts with offshore resources |  |  |  |  |  |  | **0.00** |  |
| Issue Resolution (Do not include defect resolution here) |  |  |  |  |  |  | **0.00** |  |
| **Total Effort (in hours)** |  |  |  |  |  |  | **71.79** |  |
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