Test Estimation Document

PROJECT TOPIC: Swiggy Hunt

1.What is Software Test Estimation

Test estimation comprises efforts contributed by Test Engineers for the completion of testing. Software test estimation starts with the breakdown of work using the fundamental process that includes the identification of various stages, activities, and tasks required to be performed. The set of tasks to be performed are as follows:

Planning of the tests and controlling their execution.

Design of the scenarios and Analysis.

Implementation of the tests and execution.

Evaluation of exit criteria.

Test Closure and final sign-off.

2. T-Shirt Method for Test Estimation

2.1 Overview: Use S, M, L, to bucket units of work. The idea is to go over user stories or units of work within a team setting, having team members put items into one of the 4 buckets.

2.2 Steps in T-Shirt Sizing:

1. **Identify Tasks:** Break down the project into smaller tasks, such as Test Case Design, Test Execution, Defect Management, etc.

2. **Assign T-Shirt Sizes:** Based on the complexity or effort required, assign each task a T-Shirt size (Small, Medium, Large, etc.).

3. **Map Sizes to Hours:** Assign a range of hours to each size based on client confirmation.

4. **Calculate Total Effort:** Multiply the number of tasks by the estimated hours for each size and sum them up to get the total effort.

2.3 Estimation of hours based on sizing:

- **Small (S):** 1-2 hours
- **Medium (M):** 3-5 hours
- **Large (L):** 6-10 hours
- **Extra Large (XL):** 11-15 hours

3. Test Estimation Using T-Shirt Method

3.1 Breakdown of Tasks and Estimation:

Task	T-Shirt Size	Estimated Hours per Task	Number of Tasks	Total Hours
Requirement Gathering	Large (L)	7 hours	3	21 hours
Test Planning	Large (L)	7 hours	3	21 hours
Test Case Design	Extra Large (XL)	15 hours	3	45 hours
Test Execution	Medium (M)	5 hour	19	95 hours
Defect Management	Small (S)	2 hour	2	4 hours
Project Closure	Small (S)	1 hour	1	1 hour
Test Artefacts	Extra Large (XL)	11 hours	7	77 hours
Total				264 hours