



Test Plan – Streamify Web App

1. Introduction

This Test Plan outlines the testing strategy for the Streamify web application, covering functional, integration, and regression testing.

2. Objectives

- Validate chat and video features.
- Ensure consistent performance under load.
- Verify data security during transmission.

3. Test Scope

In Scope: Chat module, video streaming, login authentication

Out of Scope: Admin dashboard, billing integrations

4. Test Environment

Component	Description
OS	Ubuntu 22.04
Browser	Chrome 128+
Backend	Node.js 18
Database	MongoDB Atlas

5. Test Cases

ID	Scenario	Expected Result
TC1	Login with valid credentials	Dashboard loads successfully
TC2	Invalid password	Error message displayed
TC3	Start video call	Connection established and video streams correctly

6. Schedule

Testing window: **Oct 18 – Oct 20, 2025**

7. Duty

- Arun Bharti – Functional Testing
- Sudip Dey – Integration & Performance Testing

8. Collaboration Notes