

# User Acceptance Testing (UAT) – Video Conferencing Web App

## Project Overview

- **Project Name:** Real-Time Video Conferencing Web App
- **Description:** A browser-based video conferencing platform enabling real-time video/audio communication, screen sharing, and chat. Built using React, Node.js, Socket.io, and Agora SDK.
- **Project Version:** v1.0.0
- **Testing Period:** 2025-05-26 to 2025-06-02

## Testing Scope

- User registration and login/logout
- Create and join video meetings
- Real-time video/audio communication via Agora
- Real-time chat via Socket.io
- Screen sharing
- Participant controls (mute, remove, end meeting)
- Meeting end and room exit flow
- Cross-browser and responsive layout testing

## Requirements to be Tested

Requirement ID	Description
RQ-01	As a user, I want to join a video call without downloading any app.
RQ-02	As a host, I want to create and share a meeting room link.
RQ-03	As a participant, I want to chat during the meeting.
RQ-04	As a user, I want to share my screen in the session.
RQ-05	As a host, I want to mute or remove users if needed.
RQ-06	As a user, I want secure login using email or OAuth.

## Test Cases

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	User Registration/Login	1. Visit login page 2. Enter credentials 3. Click login	Dashboard loads	✓	Pass
TC-002	Create Meeting Room	1. Login as host 2. Click "Create Room" 3. Copy room code	Room created and ready for others to join	✓	Pass
TC-003	Join Meeting via Code	1. Paste code as guest 2. Click join	Joins existing meeting with video/audio on	✓	Pass
TC-004	Video/Audio Functionality	1. Turn mic/camera on/off	Mic/video toggles as expected	✓	Pass
TC-005	Chat in Meeting	1. Type a message 2. Click send	Message appears for all users	✓	Pass
TC-006	Screen Sharing	1. Click "Share Screen" 2. Choose screen/window	Screen is visible to all participants	✓	Pass
TC-007	Host Control (Mute/Remove)	1. Host mutes/kicks participant	Participant gets muted/removed successfully	✓	Pass
TC-008	Leave/End Meeting	1. Click "Leave Room" or "End Meeting"	User leaves; if host, others disconnected too	✓	Pass

### Bug Tracking (Sample)

Bug ID	Description	Steps to Reproduce	Severity	Status	Additional Feedback
BG-001	Video lags on low bandwidth	Join with weak Wi-Fi, enable video	Medium	Open	Consider adaptive quality
BG-002	Chat sometimes skips messages	Rapidly send messages in 1-2 sec bursts	Low	Fixed	Debounced via Socket buffer

### Sign-Off

- **Tester Name:** Rohan Mehta
- **Test Date:** 26-05-2025
- **Signature:** *Rohan*

### Notes:

- All core features were tested in Chrome, Firefox, and Edge.
- All MVP features passed; enhancements like recording will be tested in v2.0.
- Recommended to monitor Agora network usage during real-world deployments.