End-to-End Workflow for Video Verification Claims Platform

Workflow Steps:

1) User enters the application URL → **Homepage.tsx** is displayed.
2) User signs up or signs in → Redirected to **ClaimsDashboard.tsx**.
3) User creates a new claim OR selects from existing open claims.
4) Clicking a claim → Redirected to **MultiStepForm.tsx**.
- User clicks **Join Call**.
- Backend (FastAPI) creates a Jitsi room, generates a meeting link, sends it to patient's mobile.
5) Both join call:
- User grants geo-location access.
- Video + audio recording starts, stored in **AWS S3**.
- On call completion, workflow moves to Step 2 in MultiStepForm → Claim details entry.
- User fills details, saves, proceeds to Step 3 → Preview & Submit.
6) On Preview & Submit:
- User enters email ID.
- Backend generates PDF report with claim details, video recording link (from S3), and geo-location.
- PDF report is emailed to provided email.

Technology Stack

Layer	Technology	Purpose
Frontend	React + TypeScript + Tailwind	UI, multi-step forms, dashboard
Backend	FastAPI (Python)	Authentication, API for claims, meeting creation, PDF generation
Video Call	Jitsi Meet API	Secure video verification
Database	PostgreSQL	Claims metadata storage
Storage	AWS S3	Store video recordings
Notifications	Twilio / FastAPI Email	Send SMS with meeting link, Email PDF report
Auth	JWT	Secure login & access control

Workflow Visualization

Homepage.tsx

Sign Up / Sign In

ClaimsDashboard.tsx

Create / Select Claim

MultiStepForm.tsx
(Join Call)

Video Call + Geo + S3

Fill Claim Details

Preview & Submit

Email PDF Report