

Test Cases

Authentication & User Roles

Test Case ID	Test Scenario	Input Data	Expected Output
TC_AUTH_1	User Signup with email/password	Valid name, email, password	Account created, redirected to dashboard
TC_AUTH_2	User Signup with existing email	Already registered email	Error: "Email already exists"
TC_AUTH_3	User Login with valid credentials	Correct email/password	Login successful, user redirected
TC_AUTH_4	User Login with invalid credentials	Wrong password	Error: "Invalid credentials"
TC_AUTH_5	Google Sign-In	Google account login	User authenticated and redirected

Project Creation & Management

Test Case ID	Test Scenario	Input Data	Expected Output
TC_PROJ_1	Project creator creates a project	Title, Description, Start/End date	Project created, appears in list
TC_PROJ_2	Edit project details	Modify title or dates	Changes saved and reflected

Milestone & Task Management

Test Case ID	Test Scenario	Input Data	Expected Output
TC_MILE_001	Add milestone to project	Milestone name, dates	Milestone added under project
TC_TASK_001	Add task to milestone	Task name, assign user, deadline	Task created, email sent to user
TC_TASK_002	Task assignment mail	Assign task to user@example.com	Email sent to assigned user

Timeline & Progress Tracking

Test Case ID	Test Scenario	Input Data	Expected Output
TC_TIME_1	View timeline of a project	Project with milestones/tasks	Timeline displays progress correctly
TC_TIME_2	Complete a task and update progress	Mark task as completed	Progress updates in timeline

Completion Proof & Verification

Test Case ID	Test Scenario	Input Data	Expected Output
TC_PROOF_1	Task competitor uploads proof	Upload screenshot for task	Proof uploaded, status marked as "Pending"
TC_PROOF_2	Project creator verifies proof	Accept/reject uploaded file	Task status updated to "Completed"/"Rejected"
