| **TC ID** | **Feature** | **Description** | **Input** | **Expected Output** | **Status** |
| --- | --- | --- | --- | --- | --- |
| TC01 | User Registration | Register user with valid credentials | Email: user@gmail.com Password: Test123 | User is created, redirected to login page | ✅ Pass |
| TC02 | User Registration - Mismatch PW | Password and Confirm Password don’t match | abc@gmail.com, Test123, Test321 | Show error: “Passwords do not match” | ✅ Pass |
| TC03 | Login - Admin | Login with admin@soil.com | Email + correct password | Redirect to admin.html | ✅ Pass |
| TC04 | Login - Normal User | Login with regular user | Email + correct password | Redirect to soil-details.html | ✅ Pass |
| TC05 | Post Soil Data (Admin) | Admin submits soil form | Name: Black Soil, pH: 6.5, Crops: Rice | Data added to Firestore soil\_data | ✅ Pass |
| TC06 | Post Distributor (Admin) | Admin submits distributor form | Name, Location, Crops | Data saved in Firestore distributors | ✅ Pass |
| TC07 | View Soil Types (User) | User opens soil-details page | - | Soil data fetched and displayed dynamically | ✅ Pass |
| TC08 | View Distributors (User) | User opens distributor-details page | - | Distributor data displayed dynamically | ✅ Pass |
| TC09 | Hosting URL | Open live site | <https://soil-876a9.web.app> | Homepage loads with navigation | ✅ Pass |