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| **Project Name:** | | | Tutor Time | | |
| **Module Name:** | | | Authentication | | |
| **Test Priority:** | | | High | | |
| **Test Designed By:** | | | Ishtiak Billah Emon | | |
| **Test Designed Date:** | | | 02-05-2025 | | |
| **Test Executed By:** | | | Ishtiak Billah Emon | | |
| **Test Execution Date:** | | |  | | |
| **Test Description:** | | | Validate user login, registration and private access control | | |
| **Test Case ID** | **Test Scenario** | **Pre-Condition** | **Test Steps** | **Expected Result** | **Status** |
| TC-AUTH-01 | User Login (Email/Password) | User is registered (Has valid Email and password) | 1. Navigate to Login Page. 2. Enter valid email/password. 3. Click "Login." | Redirects to Home Page; profile icon visible. | Pass |
| TC-AUTH-02 | Google Sign-In | User has Google account | 1. Click "Sign in with Google." 2. Select Google account. | Redirects to Home Page; profile icon visible. | Pass |
| TC-AUTH-03 | Verify registration with valid inputs | User is not registered | 1. Navigate to Signup Page. 2. Enter Name, Photo URL, Email and password. 3. Click "Sign Up" | Redirects to Home Page; profile icon visible. | Pass |
| TC-AUTH-04 | Verify login fails with invalid credentials | None | 1. Navigate to Login Page. 2. Enter an invalid email/password. 3. Click "Login." | A pop-up message  “Login failed. Please try again  “will appear. | Pass |
| TC-AUTH-05 | Verify registration fails with empty fields | None | 1. Navigate to Signup Page. 2. Leave required fields empty 3. Click "Sign Up" | Validation errors shown | Pass |
| TC-AUTH-06 | Verify access Private Route (Guest) | User must be logged out | 1. Manually enter /my-tutorials in URL or Click “My Tutorial” from Navbar | Redirects to Login Page | Pass |
| TC-AUTH-07 | Logout | User is logged in | 1. Click the “Logout” Button | Redirect to homepage, session cleared | Pass |

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| **Project Name:** | | | Tutor Time | | |
| **Module Name:** | | | Tutorial Booking | | |
| **Test Priority:** | | | High | | |
| **Test Designed By:** | | | Ishtiak Billah Emon | | |
| **Test Designed Date:** | | | 05-05-2025 | | |
| **Test Executed By:** | | | Ishtiak Billah Emon | | |
| **Test Execution Date:** | | |  | | |
| **Test Description:** | | | Validate tutor booking, viewing all the tutorial and validate adding tutorials | | |
| **Test Case ID** | **Test Scenario** | **Pre-Condition** | **Test Steps** | **Expected Result** | **Status** |
| TC-TUTOR-01 | Book a Tutor | User must be logged in | 1. Click "Book" on Tutor Details. 2. Confirm booking. | Booking saved in DB; appears in "My Bookings." | Pass |
| TC-TUTOR-02 | View all tutorials | Logged in user | 1. Click "Find Tutorials" on Navbar | All tutorials are listed | Pass |
| TC-TUTOR-03 | Add tutorial as teacher | Logged in as teacher | 1. Go to Add Tutorial 2. Fill details  3. Submit | Tutorial added successfully | Pass |
| TC-TUTOR-04 | Validation check on empty fields | Logged in as teacher | 1. Go to Add Tutorial 2. Leave fields empty  3. Submit | Show validation errors | Pass |
| TC-TUTOR-05 | Search tutorial by Language | Tutorials exist | 1.Use search bar. 2.Enter Language | Filtered results displayed | Pass |

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| **Project Name:** | | | Tutor Time | | |
| **Module Name:** | | | Error Handling | | |
| **Test Priority:** | | | High | | |
| **Test Designed By:** | | | Ishtiak Billah Emon | | |
| **Test Designed Date:** | | | 05-05-2025 | | |
| **Test Executed By:** | | | Ishtiak Billah Emon | | |
| **Test Execution Date:** | | |  | | |
| **Test Description:** | | | Validating unknown route handling. | | |
| **Test Case ID** | **Test Scenario** | **Pre-Condition** | **Test Steps** | **Expected Result** | **Status** |
| TC-ERR-01 | Handle 404 routes | Access unknown route | Enter random URL | Show 'Page Not Found' | Pass |