| **FR ID** | **Requirement Description** | **Source/User Story** | **Related Feature/Module** | **Test Case ID** | **Status** |
| --- | --- | --- | --- | --- | --- |
| FR-01 | Users shall register and log in with secure authentication. | User Story: User Registration | Authentication Module | TC-01 | To be tested |
|  |  |  |  |  |  |
| FR-02 | Mentors shall schedule appointments with students. | User Story: Mentor Scheduling | Appointment Scheduling Module | TC-02 | To be tested |
|  |  |  |  |  |  |
| FR-03 | Students shall view and track their learning progress. | User Story: Progress Tracking | Progress Report Module | TC-03 | To be tested |
|  |  |  |  |  |  |
| FR-04 | System shall enable assignment uploads and submissions. | User Story: Assignment Management | Assignment Module | TC-04 | To be tested |
|  |  |  |  |  |  |
| FR-05 | Mentors shall provide performance feedback to students. | User Story: Mentor Feedback | Feedback Module | TC-05 | To be tested |
| FR-06 | Users shall receive real-time notifications. | User Story: Notification Preferences | Notification Module | TC-06 | To be tested |
| FR-07 | System shall support multiple user roles (admin, mentor, student). | User Story: Role Management | User Management Module | TC-07 | To be tested |
| FR-08 | Students and mentors shall interact via a messaging feature. | User Story: Real-Time Messaging | Communication Module | TC-08 | To be tested |
| FR-09 | System shall generate performance reports automatically. | User Story: Reporting Needs | Reporting Module | TC-09 | To be tested |
| FR-10 | Users shall reset passwords via email verification. | User Story: Account Recovery | Authentication Module | TC-10 | To be tested |
|  |  |  |  |  |  |
|  |  |  |  |  |  |