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| **Requirement ID** | **Requirement Description** | **UC1 UC2 UC3 UC4 UC5 Check** | | | | | |
| **1.1** | Automated attendance tracking for university lecturers |  |  |  |  |  |  |
| **1.2** | Support multiple registered devices |  |  |  |  |  |  |
| **1.3** | Restrict attendance recording to registered devices |  |  |  |  |  |  |
| **1.4** | Store attendance records in a cloud-hosted mongoDB Atlas |  |  |  |  |  |  |
| **1.5** | Provide REST API endpoints for data access |  |  |  |  |  |  |
| **2.1.1** | Lecturers can register devices, record attendance, |  |  |  |  |  |  |
| **2.1.2** | Administrators can manage lecturers, students, courses |  |  |  |  |  |  |
| **2.1.3** | Students are identified in the system and associate |  |  |  |  |  |  |
| **2.2** | Only registered devices can record attendance |  |  |  |  |  |  |
| **2.3** | Persist user-related data |  |  |  |  |  |  |
| **3.1** | Lecturers can record attendance using a registered |  |  |  |  |  |  |
| **3.2** | Attendance records are stored in a database |  |  |  |  |  |  |
| **3.3** | Prevent unauthorized devices from recording attendance |  |  |  |  |  |  |
| **3.4** | Generate attendance reports |  |  |  |  |  |  |
| **4.1** | Lecturers can register one or more devices |  |  |  |  |  |  |
| **4.2** | Functionality to locate a registered device |  |  |  |  |  |  |
| **5.1** | Store student profiles |  |  |  |  |  |  |
| **5.2** | Capture and store passport-style photos for student |  |  |  |  |  |  |
| **6.1** | Store and manage courses |  |  |  |  |  |  |
| **6.2** | Associate students with courses |  |  |  |  |  |  |
| **6.3** | Associate lecturers with courses |  |  |  |  |  |  |
| **7.1.1** | Generate attendance records reports |  |  |  |  |  |  |
| **7.1.2** | Generate student lists |  |  |  |  |  |  |
| **7.1.3** | Generate lecturer lists |  |  |  |  |  |  |
| **7.1.4** | Generate course lists |  |  |  |  |  |  |
| **7.1.5** | Generate student enrollments in courses |  |  |  |  |  |  |
| **7.2.1** | Support adding new records |  |  |  |  |  |  |
| **7.2.2** | Support modifying records |  |  |  |  |  |  |
| **7.2.3** | Support deleting records |  |  |  |  |  |  |
| **7.2.4** | Support viewing records |  |  |  |  |  |  |
| **8.1** | Use a cloud-hosted mongoDB Atlas database |  |  |  |  |  |  |
| **8.2** | Provide database access via a REST API |  |  |  |  |  |  |
| **9.1.1** | Conduct User Acceptance Testing (UAT) |  |  |  |  |  |  |
| **9.1.2** | Conduct System Testing |  |  |  |  |  |  |
| **9.1.3** | Conduct Unit Testing |  |  |  |  |  |  |