**Backend API Endpoints (.NET Core)  
1. Authentication**

* POST /api/auth/login
* POST /api/auth/register
* GET /api/auth/user-info

**2. Timetable**

* GET /api/timetable/student/{studentId}
* GET /api/timetable/lecturer/{lecturerId}
* POST /api/timetable/update (Admin)

**3. Room Bookings**

* GET /api/rooms
* GET /api/rooms/availability?date={date}
* POST /api/rooms/book
* GET /api/bookings/user/{userId}
* DELETE /api/bookings/{bookingId}

**4. Maintenance Requests**

* POST /api/issues/report
* GET /api/issues/user/{userId}
* GET /api/issues (Admin)
* PUT /api/issues/{id}/status

**5. Announcements**

* GET /api/announcements
* POST /api/announcements (Lecturer/Admin)
* DELETE /api/announcements/{id} (Admin)

**6. Notifications**

* GET /api/notifications/user/{userId}
* POST /api/notifications/send (Admin)

**7. Admin Dashboard**

* GET /api/admin/analytics/bookings
* GET /api/admin/analytics/issues
* GET /api/admin/users
* PUT /api/admin/users/{id}/role