Integrating a Mobile app with Students Manager API

Connect a mobile app to new REST API endpoints in **StudentsManager** so the mobile client can submit and retrieve data. Expose secured API endpoints in StudentsManager.Mvc to collect and retrieve registered users' mobile device telemetry: geolocation (lat/long), battery status (level, plugged), and network state.

Functional Requirements

- Authentication: Mobile app must authenticate against StudentsManager.Mvc before sending telemetry.
- Telemetry Capture (client):
    1. Geolocation (latitude, longitude).
    2. Battery status (level %, isPlugged).
    3. Network state (WiFi, CELL_4G, NONE, etc).
- Telemetry Submission:
    1. POST endpoint to store a snapshot.
    2. Snapshot includes timestamp (UTC) server-side.
- Telemetry Retrieval:
    1. GET latest snapshot for current user.
    2. GET recent N snapshots (query parameter take).
    3. Authorization: Endpoints reject unauthenticated requests (401).
    4. Server-Side Tasks (StudentsManager.Mvc)
    5. Add DeviceTelemetry entity, migration, DbSet.
    6. Add DTO.
    7. Service layer.
    8. Register service in Program.cs.
    9. API controller.
- Migration:
    1. dotnet ef migrations add AddDeviceTelemetry
    2. dotnet ef database update
- Client-Side Tasks
    1. Add API base URL and JWT usage (assume login implemented separately).
    2. Send telemetry after each update (debounced).
    3. Optional button to fetch latest telemetry.