

Design and implement a .Net (Core) Web API solution, which automates check-in into a flight.

The solution should register a passenger and his baggage to a flight.

**Assumptions:**

- Seats support is not required.
- A flight, passenger, and their details already exist in the database.
- Using abstractions (repository, etc.) to access a DB is enough.

**Invariants:**

- Aircraft has a limited load weight. So the total baggage weight must be controlled.
- Aircraft's seats are limited. Beware of overbooking.
- Each passenger is allowed to check-in a limited number of bags.
- The total weight of a passenger's baggage is also limited.

**Technical requirements:**

- API controller(s) with proper routes (are) mandatory.
- At least a few unit tests.
- Clean, maintainable, production-ready code.