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BRANCH – BTECG CSE

SEC – 615 B

SUBJECT – SOFTWARE ENGINEERING

Q1

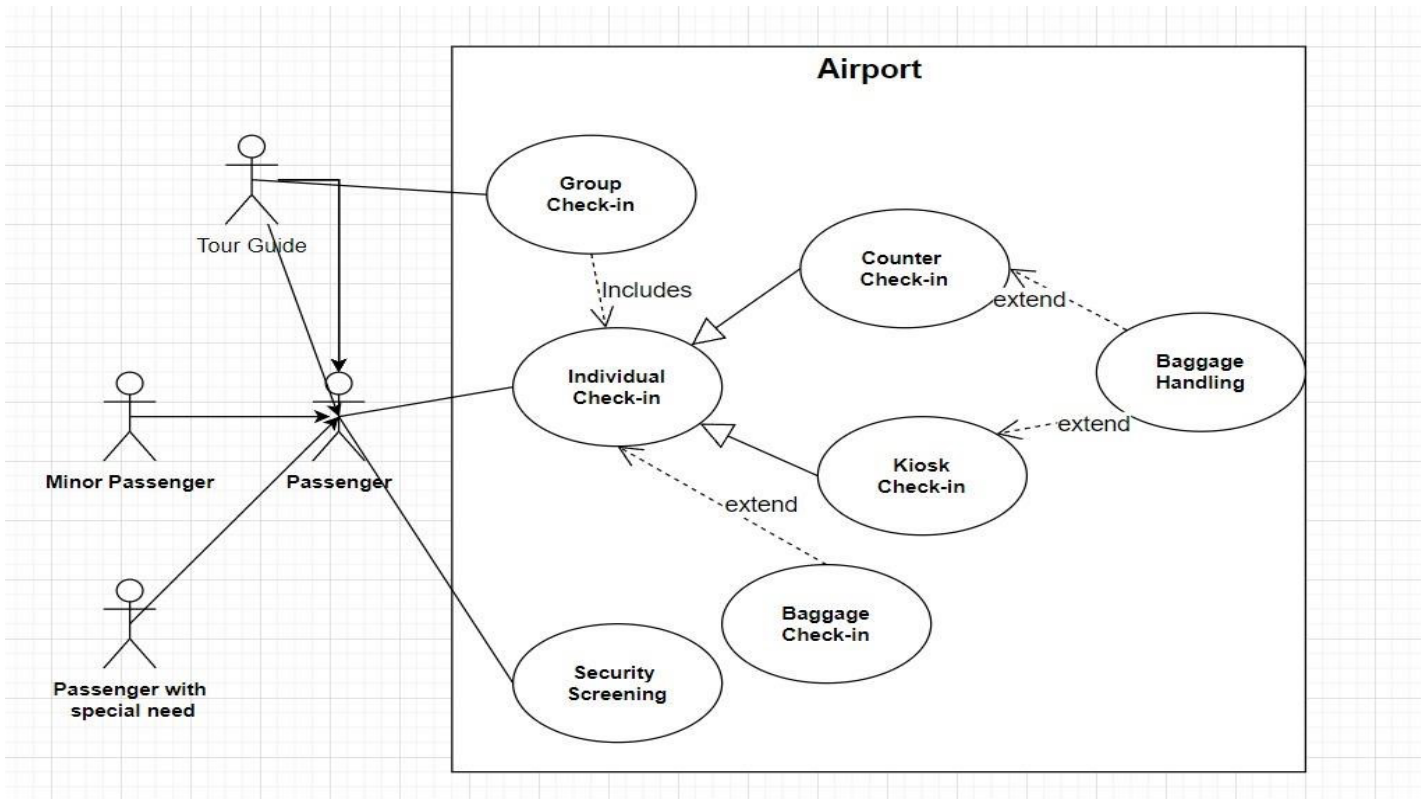**Design a use case diagram for airport check-in and security screening.**

Summary: Business use cases are Individual Check-In, Group Check-In (for groups of tourists), Security Screening, etc. - representing business functions or processes taking place in an airport and serving needs of passengers.

This is an example of a business use case diagram which is usually created during Business Modeling and is rendered here in Rational
Unified Process (RUP) notation.
Business actors are Passenger, Tour Guide, Minor (Child), Passenger with Special Needs (e.g. with disabilities), all playing external roles in relation to airport business.
Business use cases are Individual Check-In, Group Check-In (for groups of tourists), Security Screening, etc. - representing business functions or processes taking place in airport and serving the needs of passengers.
Business use cases Baggage Check-in and Baggage Handling extend Check-In use cases, because passenger might have no luggage, so baggage check-in and handling are optional.

An example of use case diagram for airport check-in and security screening.