Automated airport check-in counter

Performance measure

Valid passengers with valid documents (and visa, if required) with allowed baggage are able to complete check-in procedure with receiving any of necessary documents.

Environment

Airport public check-in terminal

Fully observable

All relevant aspects to make a decision can be acquired.

Multiagent (collaborative)

The other agent - passenger.

Nondeterministic

Passenger may suddenly interrupt the check-in process.

Sequential

The stages come one after one.

Dynamic

Passenger may change the system while the agent is percepting - take passport away from scanner or pinch baggage.

Discrete

The states are predefined and cannot variate.

Actuators

- **Interactive GUI** - to direct commands to passengers
- **Printer(s) for barcodes / tags / boarding passes** - to print necessary documents
- **Baggage transporter** - to transfer baggage
- **Inforamtion screen** - to maintain passenger queue and show flight information

Sensors

- **Interactive GUI** - to receive commands and information from passenger
- **Scanner for documents** - to scan and verify possible needed documents
- **Camera** - to verify document-passenger relation
- **Scales** - to verify baggage weight
- **Measurement sensors** - to verify baggage size