

Hazis Voda – Use Case Documentation (FR_GST_05 – 07)

UC Name	FR_GST_05 – Check-in through mobile app or receptionist, generate digital key
Summary	This UC allows the users to check-in through the mobile app or the receptionist can complete the check-in for them and after the check-in the digital key is generated and stored in the user's phone.
Dependency	-
Actors	Primary Actor: Guest/Receptionist
Preconditions	<ul style="list-style-type: none">- Guest has a confirmed booking.- Mobile app is installed and functional.- Receptionist has access to the system.
Description of the Main Sequence	<ul style="list-style-type: none">● Step 1: Guest/Receptionist initiates check-in via the (mobile) application.● Step 2: System verifies booking details.● Step 3: System assigns a room.● Step 4: System generates a digital room key valid for the duration of the stay.● Step 5: Digital Key is delivered to the guest's phone.
Description of the Alternative Sequence	<ul style="list-style-type: none">● Step 1A - If booking details are incorrect, the system prompts for re-entry or escalates to the receptionist.
Non functional requirements	<ul style="list-style-type: none">- The system must validate the guest's request by checking if his details correct.- The system must validate the check-in request by checking if the booking details are correct.- The system must assign an available room to the guest.- The system must generate a valid digital room key that is connected with the room.- The system must save the digital key on the guest's mobile application.

Postconditions	<ul style="list-style-type: none"> - The guest is successfully checked in. - A digital room key is generated and stored on the guest's phone.
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UC Name	FR_GST_06: Connect digital key to room lock using Flexipass.
Summary	Flexipass SDK is used to connect the digital key provided to the guest with the lock in their room.
Dependency	FR_GST_05
Actors	Primary Actor: Guest Secondary Actor: Flexipass SDK
Preconditions	<ul style="list-style-type: none"> - Guest has successfully checked in and received a digital key. - Room lock is equipped with the generated Flexipass digital key.
Description of the Main Sequence	<ul style="list-style-type: none"> ● Step 1: System pairs the digital key to the designated room lock using Flexipass. ● Step 2: System validates the pairing for the duration of the guest's stay. ● Step 3: Guest uses the digital key to unlock their room.
Description of the Alternative Sequence	<ul style="list-style-type: none"> ● Step 1A - If pairing fails, the system retries or prompts the receptionist for assistance.
Non functional requirements	<ul style="list-style-type: none"> - The system must allow the guest to enter their room if the digital key is successfully paired with the room lock. - The system must allow the guest to enter their room if the digital key is identical to the room lock. - The system must allow the guest to enter their room if they are within their allowed duration of stay.

Postconditions	<ul style="list-style-type: none"> - Digital key is successfully connected to the room lock via Flexipass. - Guest can access the room using the digital key.
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UC Name	FR_GST_07: Access facilities and services using digital key
Summary	The UC allows a guest to access facilities or use services of the hotel after a facility staff member has scanned their digital key in the mobile guest portal.
Dependency	-
Actors	Primary Actor: Guest Secondary Actor: Faculty Staff Member (Receptionist, Department Manager etc)
Preconditions	<ul style="list-style-type: none"> - Guest possesses a valid digital key stored in the mobile guest portal. - Facility staff has access to the scanning system.
Description of the Main Sequence	<ul style="list-style-type: none"> ● Step 1: Guest presents their digital key stored in the mobile guest portal ● Step 2: Facility staff member scans the digital key and matches it with the guest's booking. ● Step 3: The system verifies the digital key and matches it with the guest's booking. ● Step 4: Access is granted to the requested facility/service.
Description of the Alternative Sequence	<ul style="list-style-type: none"> ● Step 1A - If the digital key verification fails, system prompts staff to check booking details or re-scan the key.

Non functional requirements	<ul style="list-style-type: none">- The system must allow the guest to enter the facility or access the service if the digital key is successfully scanned.- The system must allow the guest to enter the facility or access the service if they are within their allowed duration of stay in the hotel.
Postconditions	<ul style="list-style-type: none">- Guest is granted access to the facility or service.- The system updates the guest's facility/service usage record for tracking/invoice purposes.