Hazis Voda – Use Case Documentation (FR_GST_03 & 05 – 07)

UC Name	FR_GST_03 – Guest Access to Mobile Guest Portal
Summary	This UC allows the guest to log in to the mobile application's guest portal.
Dependency	-
Actors	Primary Actor: Guest
Preconditions	- Mobile application is installed and functional.
Description of the Main Sequence	● Step 1: Guest opens the mobile application to log in. ● Step 2: Guest inputs the login information for their account (their credentials). ● Step 3: System verifies user login information. ● Step 4: System redirects guest to their interface.
Description of the Alternative Sequence	● Step 1A - If login details are incorrect, the system prompts for re-entry.
Non functional requirements	- The system must allow the user access to their mobile app. - The system must validate the guest's login request by checking if his details correct. - The system must quickly redirect the user to their interface once successfully logging in.
Postconditions	- The guest is successfully logged in.

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 Secondary Actor: Receptionist
Preconditions	- Mobile application is installed and functional. - Guest is logged into the mobile guest portal. - Guest has a confirmed booking. - Receptionist is logged into the Staff interface and has access to the system.
Description of the Main Sequence	● Step 1: Guest initiates check-in via the 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 mobile application.
Description of the Alternative Sequence	● Step 1A - If booking details are incorrect, the system prompts for re-entry or escalates to the receptionist. ● Step 1B – If guest has issues checking-in, the receptionist can take over for them.

Non functional requirements	- 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	- The guest is successfully checked in. - A digital room key is generated and stored on the guest's phone.

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	- Mobile application is installed and functional. - Guest is logged into the mobile guest portal. - 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	● 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	● Step 1A - If pairing fails, the system retries or prompts the receptionist for assistance.
Non functional requirements	- 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	- Digital key is successfully connected to the room lock via Flexipass. - Guest can access the room using the digital key.

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: Facility Staff Member (Receptionist, Department Manager etc)
Preconditions	- Mobile application is installed and functional. - Guest is logged into the mobile guest portal. - Guest possesses a valid digital key stored in the mobile guest portal. - Facility staff member i has access to the scanning system.

Description of the Main Sequence	● 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	● Step 1A - If the digital key verification fails, system prompts staff to check booking details or re-scan the key.
Non functional requirements	- 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	- Guest is granted access to the facility or service. - The system updates the guest's facility/service usage record for tracking/invoice purposes.