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| **Test Case ID** | **Description** | **Screenshots** |
| Check In 01 | VIP user successfully checks in to zone if he has reservation at the current time and zone. |  |
| Check In 02 | VIP user tries to check in to zone when he does not have a reservation at the current time. |  |
| Check In 03 | VIP user tries to check in to zone when his reservation is in another zone |  |
| Check In 04 | VIP user tries to check in to zone when he cancels his reservation. |  |

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| **Test Case Id:** Check In 01 |
| **Test Purpose** | VIP user successfully checks in to zone if he has reservation at the current time and zone. |
| **Success Criteria** | Parking gate is opened and green LED is on |
| **Test Steps:**   1. VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is opened and green LED is on * Reservation status is changed to “arrived” | |

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| **Test Case Id:** Check In 02 |
| **Test Purpose** | VIP user tries to check in to zone when he does not have a reservation at the current time |
| **Success Criteria** | Parking gate is closed and red LED is on |
| **Test Steps:**  **1.** VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is closed and red LED is on | |

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| **Test Case Id:** Check In 03 |
| **Test Purpose** | VIP user tries to check in to zone when his reservation is in another zone |
| **Success Criteria** | Parking gate is closed and red LED is on |
| **Test Steps:**  **1.** VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is closed and red LED is on | |

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| **Test Case Id:** Check In 04 |
| **Test Purpose** | VIP user tries to check in to zone when he cancels his reservation |
| **Success Criteria** | Parking gate is closed and red LED is on |
| **Test Steps:**  **1.** VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is closed and red LED is on | |

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| **Test Case ID** | **Description** | **Screenshots** |
| Check Out 01 | VIP user successfully checks out of zone *when/before* his reservation time has ended (without penalty) |  |
| Check Out 02 | VIP user checks out of zone *after* his reservation time has ended (with penalty) |  |
| Check Out 03 | VIP user cancels part of his reservation using application/website and checks out of zone *when/before* his reservation has ended (without penalty) |  |
| Check Out 04 | VIP user cancels part of his reservation using application/website and checks out of zone *after* his reservation has ended (with penalty) |  |
| Check Out 05 | VIP user checks out of zone *when/before* his extension time has ended (without penalty) |  |
| Check Out 06 | VIP user checks out of zone *after* his extension time has ended (with penalty) |  |
| Check Out 07 | VIP user checks out of zone and automatic cancellation is applied when his reservation time has an hour or more left. |  |

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| **Test Case Id:** Check Out 01 |
| **Test Purpose** | VIP user successfully checks out of zone *when/before* his reservation time has ended (without penalty) |
| **Success Criteria** | Parking gate is opened and green LED is on |
| **Test Steps:**  1. VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is opened and green LED is on * Reservation status is changed to “ended” | |

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| **Test Case Id:** Check Out 02 |
| **Test Purpose** | VIP user checks out of zone *after* his reservation time has ended (with penalty) |
| **Success Criteria** | Parking gate is opened and green LED is on |
| **Test Steps:**  1. VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is opened and green LED is on * Reservation status is changed to “ended” * Penalty is added to reservation (+15QR per hour) | |

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| **Test Case Id:** Check Out 03 |
| **Test Purpose** | VIP user cancels part of his reservation using application/website and checks out of zone *when/before* his reservation has ended (without penalty) |
| **Success Criteria** | Parking gate is opened and green LED is on |
| **Test Steps:**  1. VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is opened and green LED is on * Reservation status is changed to “ended” | |
| **Test Case Id:** Check Out 04 |
| **Test Purpose** | VIP user cancels part of his reservation using application/website and checks out of zone *after* his reservation has ended (with penalty) |
| **Success Criteria** | Parking gate is opened and green LED is on |
| **Test Steps:**  1. VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is opened and green LED is on * Reservation status is changed to “ended” * Penalty is added to reservation (+15QR per hour) | |

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| **Test Case Id:** Check Out 05 |
| **Test Purpose** | VIP user checks out of zone *when/before* his extension time has ended (without penalty) |
| **Success Criteria** | Parking gate is opened and green LED is on |
| **Test Steps:**  1. VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is opened and green LED is on * Reservation status is changed to “ended” | |

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| **Test Case Id:** Check Out 06 |
| **Test Purpose** | VIP user checks out of zone *after* his extension time has ended (with penalty) |
| **Success Criteria** | Parking gate is opened and green LED is on |
| **Test Steps:**  1. VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is opened and green LED is on * Reservation status is changed to “ended” * Penalty is added to reservation (+15QR per hour) | |

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| **Test Case Id:** Check Out 07 |
| **Test Purpose** | VIP user checks out of zone and automatic cancellation is applied when his reservation time has an hour or more left. |
| **Success Criteria** | Parking gate is opened and green LED is on |
| **Test Steps:**  1. VIP user scans his RFID tag on RFID reader | |
| **Post-Conditions:**   * Parking lot gate is opened and green LED is on * Reservation status is changed to “ended” * Automatic cancellation is applied (-2.5 per hour) | |

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| **Test Case ID** | **Description** | **Screenshots** |
| Update Parking Availability 01 | User successfully enters/leaves a parking spot and the availability status of the parking spot is updated. |  |

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| **Test Case Id:** Update Parking Availability 01 |
| **Test Purpose** | User successfully enters/leaves a parking spot and the availability status of the parking spot is updated. |
| **Success Criteria** | Parking spot status is updated |
| **Test Steps:**  1. User enters/leaves a parking spot | |
| **Post-Conditions:**   * Parking spot status is updated | |