**System Test Plan Student 18002538**

**Description: Check-in Customer (FR-OC-07)**

**1)** Use Case: Check In Customer

Scenario : Customer Successfully Checked in

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| Operation Staff | System |
| 1.Begin by scanning QR code | 2. Take QR code to find Crownpass. |
|  | 3. Display Crownpass information found. |
| 4.Confirm likeliness of Crownpass holder. |  |
|  | 5. Likeliness confirmed, check entry condition. |
|  | 6. Check operation state. |
| 8. Allow customer to proceed into venue. | 7. Display check in message to staff demonstrating check in acceptance, and update operation state. |

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| **Test Data:**  Input:   * Scan QR: QR code. * Approve likeliness of Crownpass holder.   Stored data:   * Customer   + QR code * System   + Entry Condition   + Operation State Number   + Capacity Area   + Crownpass holder information     - Photo     - CodeQR     - Vaccination state     - Pass State   Output: Successful Check in message | **Test Process:**  1. Begin check-in process by scanning QR code.  Input: Scan QR  2. Validate QR code to display Crownpass holder data.  3. Crownpass exists in system, display Crownpass photo information.  a. Expected output: Crownpass holder photo.  b. Check: if the output is the relevant Crownpass holder photo.  4. Confirm likeliness of Crownpass holder.  Input: Confirm likeliness.  5. Check entry condition.  6.Check Operation State  7. Check in Crownpass holder  a. Expected output: Message to allow holder to enter.  8. Customer enters |

**2)** Scenario: QR does not match any Crownpass.

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| Operation Staff | System |
| 1.Begin by scanning QR code | 2. Take QR code to find Crownpass. |
|  | 3. Return Operational Staff to scanning page. |

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| **Test Data:**  Input:   * Scan QR: QR code.   Stored data:   * Customer   + QR code * System   + Crownpass holder information   Output: Return staff to scanner interface display. | **Test Process:**  1. Begin check-in process by scanning QR code.  Input: Scan QR  2. Validate QR code to display Crownpass holder data.  3. Return to scanner.  a. Expected output: No check in  b. Check: Return to scanner |

**3)** Scenario: Customer is not the Crownpass holder.

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| Operation Staff | System |
| 1.Begin by scanning QR code | 2. Take QR code to find Crownpass. |
|  | 3. Display Crownpass information found. |
| 4.Not likeliness of Crownpass holder. |  |
|  | 5. Entry denied |

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| **Test Data:**  Input:   * Scan QR: QR code. * Unapproved likeliness of Crownpass holder.   Stored data:   * Customer   + QR code * System   + Crownpass holder information     - Photo     - CodeQR   Output: Unsuccessful check in | **Test Process:**  1. Begin check-in process by scanning QR code.  Input: Scan QR  2. Validate QR code to display Crownpass holder data.  3. Crownpass exists in system, display Crownpass photo information.  a. Expected output: Crownpass holder photo.  b. Check: if the output is the relevant Crownpass holder photo.  4. Confirm likeliness of Crownpass holder.  Input: Not likeliness of holder on record  5. Display denied entry message  a. Expected output: Message denying holder to enter.  b. Check: if output matched the expected. |

**4)** Scenario: Entry Condition not Met

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| Operation Staff | System |
| 1.Begin by scanning QR code | 2. Take QR code to find Crownpass. |
|  | 3. If found, display Crownpass information. |
| 4.Confirm likeliness of Crownpass holder. |  |
|  | 5. Check entry condition. |
|  | 6. Display denied message. |

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| **Test Data:**  Input:   * Scan QR: QR code. * Approve likeliness of Crownpass holder.   Stored data:   * Customer   + QR code * System   + Entry Condition   + Crownpass holder information     - Photo     - CodeQR     - Vaccination state     - Pass State   Output: Unsuccessful Check in message | **Test Process:**  1. Begin check-in process by scanning QR code.  Input: Scan QR  2. Validate QR code to display Crownpass holder data.  3. Crownpass exists in system, display Crownpass photo information.  a. Expected output: Crownpass holder photo.  b. Check: if the output is the relevant Crownpass holder photo.  4. Confirm likeliness of Crownpass holder.  Input: Confirm likeliness.  5. Check entry condition.  6. Displayed Denied Entry  a. Expected output: Message to deny holder to enter.  b. Check: if output matched the expected. |

**5)** Scenario: Operation State not Met

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| Operation Staff | System |
| 1.Begin by scanning QR code | 2. Take QR code to find Crownpass. |
|  | 3. Display Crownpass information. |
| 4.Confirm likeliness of Crownpass holder. |  |
|  | 5. Likeliness confirmed, check entry condition. |
|  | 6. Check operation state. |
|  | 7. Display denied message. |

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| **Test Data:**  Input:   * Scan QR: QR code. * Approve likeliness of Crownpass holder.   Stored data:   * Customer   + QR code * System   + Entry Condition   + Operation State Number   + Capacity Area   + Crownpass holder information     - Photo     - CodeQR     - Vaccination state     - Pass State   Output: Unsuccessful Check in message | **Test Process:**  1. Begin check-in process by scanning QR code.  Input: Scan QR  2. Validate QR code to display Crownpass holder data.  3. Crownpass exists in system, display Crownpass photo information.  a. Expected output: Crownpass holder photo.  b. Check: if the output is the relevant Crownpass holder photo.  4. Confirm likeliness of Crownpass holder.  Input: Confirm likeliness.  5. Check entry condition.  6.Check Operation State  7. Displayed Denied Entry  a. Expected output: Message to deny holder to enter.  b. Check: if output matched the expected. |