2.2.2 Make Payment

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| **Requirement ID** | REQ\_F201 | **Version** | 1.0 |
| **Description** | When the user clicks the “Pay” button, the system shall verify the inputs | | |
| **Author** | Azhar | | |

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| **Requirement ID** | REQ\_F202 | **Version** | 1.0 |
| **Description** | If any of the inputs are invalid, the system shall display an error message above the invalid input | | |
| **Author** | Azhar | | |

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| **Requirement ID** | REQ\_F203 | **Version** | 1.0 |
| **Description** | If all inputs are valid, the system shall proceed with the payment and save the ticket into the database | | |
| **Author** | Azhar | | |

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| **Feature** | F02 Make Payment | **Version** | 1.0 |
| **Purpose** | To allow users to pay for a ticket | | |
| **Actor** | Student | | |
| **Precondition** | Student has selected an event to purchase a ticket for | | |
| **Postcondition** | Student acquires a ticket for the event which is saved into the database | | |
| **Main Flow** | 1. The student shall select an event to purchase a ticket 2. The system shall redirect the student to the payment screen 3. The system shall display the input forms prompting the user to input payment details such as credit card number, CCV/CVC security code and expiry date 4. The student shall input the required details into the input forms 5. The student shall click the pay button 6. The system shall verify all inputs 7. The system shall display success message and save ticket into the database | | |
| **Alternate Scenario** | 1. If any of the inputs are invalid, the system shall display an error message above the invalid input | | |
| **Author** | Azhar | | |

A diagram of a system

AI-generated content may be incorrect.

2.2.3 Receive QR Code

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| **Requirement ID** | REQ\_F401 | **Version** | 1.0 |
| **Description** | When the user navigates to the show QR screen, the system shall display the name of the event and generate a QR code specific to the user and event | | |
| **Author** | Azhar | | |

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| **Feature** | F03 Receive e-ticket/QR cpde | **Version** | 1.0 |
| **Purpose** | To allow a user to display a QR-code to serve as a ticket for event staff to verify attendance | | |
| **Actor** | Student | | |
| **Precondition** | 1. Student has purchased a ticket for an event. 2. Student has selected an event in purchase history | | |
| **Postcondition** | None | | |
| **Main Flow** | 1. The user shall navigate to the generate QR Code screen for the chosen event. 2. The system shall retrieve the ticket from the database. 3. The system shall display the name of the event and a QR code encoded with the student’s details | | |
| **Alternate Scenario** | None | | |
| **Author** | Azhar | | |

A diagram of a system

AI-generated content may be incorrect.

2.2.4 View Registration History

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| **Requirement ID** | REQ\_F0401 | **Version** | 1.0 |
| **Description** | When the user navigates to the “View Registration History” screen, the system shall retrieve all past registered events for the current user. | | |
| **Author** | Azhar | | |

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| **Requirement ID** | REQ\_F0402 | **Version** | 1.0 |
| **Description** | If no events are retrieved from the database, the system shall display an error message. | | |
| **Author** | Azhar | | |

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| **Requirement ID** | REQ\_F0403 | **Version** | 1.0 |
| **Description** | If atleast one event is retrieved, the system shall display all events in a list, with the name, event description and 2 buttons: “View Details” and “Generate QR Code” | | |
| **Author** | Azhar | | |

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| **Feature** | F04 View Registration History | **Version** | 1.0 |
| **Purpose** | To allow users to view past events that they have registered | | |
| **Actor** | Student | | |
| **Precondition** | Student has registered to an event | | |
| **Postcondition** | None | | |
| **Main Flow** | 1. The user shall navigate to the “View Registration History” screen. 2. The system shall retrieve all registered events to the user from the database 3. The system shall display all registered events to the user in list form. 4. The system shall display two buttons, “View details” and “Generate QR code” | | |
| **Alternate Scenario** | None | | |
| **Author** | Azhar | | |

A diagram of a system

AI-generated content may be incorrect.