**Functional Requirements:**

1. The ticket vendor machine must be able to sell tickets for public transportation, including buses and MRT.
2. The machine should allow users to select their destination from a menu display.
3. The machine must support multiple modes of payment, including credit card and QR code payment linked with a banking system or digital wallet.
4. When payment is made with a credit card, the machine should issue a paper ticket with a barcode and charge the user's credit card account.
5. When payment is made with a digital wallet, the machine should display a QR code for the user to scan with their mobile device.
6. The machine must validate credit transactions and issue the ticket only when the transaction has been validated.
7. The machine should display an error message if the credit transaction fails.
8. The machine should issue the ticket quickly, with a maximum response time of 5 seconds.
9. The machine should be reliable and have a maximum downtime of 1 hour per month.

**Non-Functional Requirements:**

1. The machine should have a user-friendly interface with clear instructions.
2. The machine should be easy to maintain and repair, with replacement parts readily available.
3. The machine should be secure and protect user payment information.
4. The machine should be durable and able to withstand harsh weather conditions.
5. The machine should be accessible to people with disabilities, including wheelchair users.
6. The machine should be energy-efficient and environmentally friendly.

**Domain Requirements:**

1. The machine must comply with all relevant regulations and standards for public transportation and payment systems.
2. The machine should be able to handle a large volume of transactions during peak hours.
3. The machine should be compatible with the existing ticketing infrastructure and backend systems.
4. The machine should be able to provide usage data and statistics to the system administrator for analysis and optimization.
5. The machine should be able to provide a receipt or transaction record upon request by the user.