Functional Requirements:

* The ticket vendor machine should sell tickets for various modes of public transportation, such as buses, trains, and subways.
* The machine should allow users to select their destination from a menu of potential destinations.
* The machine should allow users to select their payment method, which may include credit card, QR Code payment linked with banking system or digital wallet.
* The machine should issue a paper ticket with a bar code if the user pays with a credit card.
* The machine should display a QR code if the user pays with a digital wallet.
* The machine should validate credit transactions and issue tickets once payment is accepted.
* The machine should be able to print and dispense tickets quickly and accurately.
* The machine should be easy to use and provide clear instructions to users.

Non-Functional Requirements:

* The machine should be reliable and have a high level of uptime to ensure that users can purchase tickets at all times.
* The machine should be able to process payments quickly and efficiently to minimize wait times for users.
* The machine should have a user-friendly interface that is easy to navigate and understand.
* The machine should be secure and protect users' payment and personal information from unauthorized access.
* The machine should be easy to maintain and service to ensure that it remains functional and reliable.

Domain Requirements:

* The machine should be compatible with the payment systems used by various transportation providers.
* The machine should be able to handle different types of currency and payment methods.
* The machine should be able to communicate with other parts of the smart ticketing system to ensure that users have access to up-to-date information on routes and schedules.
* The machine should be able to provide users with information on fares, routes, and schedules.
* The machine should be designed to withstand various weather conditions and be able to operate in both indoor and outdoor environments.
* The machine should be designed to be accessible to all users, including those with disabilities.