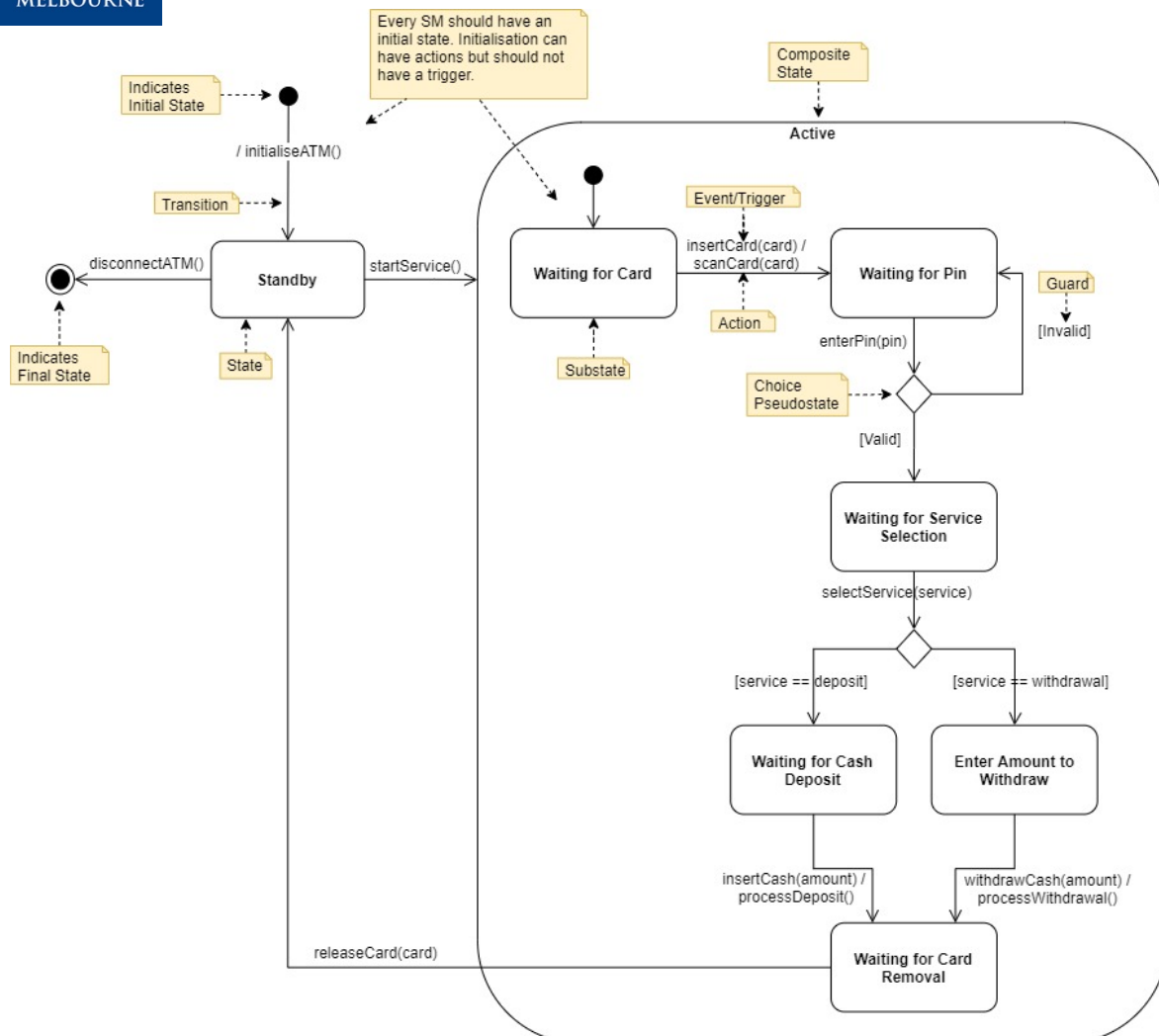




Notation Reference for a State Machine Diagram

Example: Simple ATM



Description:

1. The ATM allows users to deposit and withdraw cash.
2. When the ATM is turned on, it is initialised and remains in standby mode. While in this mode the ATM can be disconnected at any time.
3. When a customer approaches the ATM, they will start the ATM service which will result in the ATM entering an active mode. The ATM will remain active until it has successfully serviced the user.
4. Upon entering this mode, the ATM will wait for the user to insert their card, after insertion the ATM will scan the card and wait for the user to enter their pin.
5. If the pin is correct, the ATM will prompt the user to enter their service request, otherwise the ATM will wait for the user to enter their pin again.
6. When a user selects deposit as their service option, the ATM will wait for the user to insert cash.
7. Otherwise if a user has selected the withdrawal option, the ATM will wait for the user to enter their withdrawal amount.
8. After either of the services is processed the ATM will wait for the user to remove their card. Card removal will return the state of the ATM from being active to being on standby.