**Requirements:**

1. This software needs an ATM card having magnetic stripe reader.
2. It needs a keyboard to give input to an ATM machine which is used to communicate with the user.
3. Despenser for cash withdrawals for the customer.
4. It helps the customer by providing a receipt which prints the information according to the given input like mini statement, cash etc.
5. The ATM will communicate with the bank's computer over an appropriate communication link.

**Research:**

* The first ATM concept arose in different countries like Japan, the UK, Sweden & the US. So, Japan invented the Machine for Computer Loan that is called a computer load machine to supply cash. This device was used in the year1966.
* After some developments, the initial cash dispensing machine was developed by Britain, in London, 1967. This machine was first used by “Barclays Bank” which is located in Enfield Town of North London. This machine was developed by the firm De La Rue & John Shepherd-Barron. This was the essential point for current ATMs.
* In India, the development of ATMs was very slow because they were launched in the early 1990s to the Indians and assisted through foreign banks.
* The idea of a [PIN](https://en.wikipedia.org/wiki/Personal_identification_number) stored on the card was developed by a group of engineers working at [Smiths Group](https://en.wikipedia.org/wiki/Smiths_Group) on the Chubb MD2 in 1965.
* After 2010, technological developments increased in ATM non-banking services. Such services include bill payments, ticket bookings, mobile recharges, etc.

**Cost and Features:**

**Features**

Transfer funds between linked bank accounts

Receive account balance

Prints recent transactions list

Change your pin

Deposit your cash

Prepaid mobile recharge

Bill payments

Cash withdrawal

Perform a range of features in your foreign language.

**Cost**

Buying an ATM will cost between **$2,000 and $4,000** on average.

Higher end ATM machines that are built into the wall are more expensive and can cost between **$5,000 and $10,000**. An optional cash loading service runs **$40 to $60 per month**.

Customers nationwide report paying an average of $2,000 to $4,000 for an ATM machine.

* A built-in/through-the-wall ATM machine with a monochrome LCD, thermal receipt printer, 2,000 note cassette, and wireless capability costs around **$6,000 to $9,000.**
* Additional ATM costs might include:
  + A phone line (**$20 to $40/month**)
  + Cash loading service (optional; roughly **$40 to $60** per trip)
  + An additional cash cassette (approximately **$100 to $500**)
  + Replacement receipt paper