# Analysis – use cases summary

This is mostly a work document for the post-elicitation stage done with all analysts after the initial interviews and document reviews. Do this first. It’s a summary of the use cases in bullets or numbers serving like a table of contents. This is an optional part of a project document but when there are many use cases, it is very helpful.

## Actors

First step in analysis is to brainstorm and validate these roles and/or systems.

* Customer
* Bank
* (system) ATM
* Operator
* Card

## Use case names

Second step in analysis is to brainstorm and validate scope at the goal level.

* Deposit funds
* Withdraw cash
* Send alert for low cash
* Check balance
* Transfer funds
* Verify ATM total cash on hand
* Remove deposit envelopes
* Stock cash
* Reconcile ATM balance

### System use cases

Only those use cases which start after the software is running and an actor directly interacts with the system.

### Business use cases

Any use case that does not completely exist as an interaction between software and the actor.

### Use case diagram

Here would be a good place to put a diagram(s) showing the relationships of all the use cases. A good online tool is

## Grouped use cases

Use cases can be structured to roll up to a group name but are useful when complexity is high. Place bigger use cases that don’t all have the same flow of events here but have a common theme.

Grouped use cases are either system or business use cases and can be groups of goal level use cases or groups of partial use cases. Also common in this section are the Manage <Entity> type of use case which expands into the CRUD use cases. e.g. Manage Account = Create Account, Read Account (Display details of account), Update Account, Delete Account.

* <ID> <name of general use case group>
  + <list of specific use cases>
* <ID> <name of general use case group>
  + <list of specific use cases>
* Interact with customer
* Do transaction
  + Withdraw cash
  + Transfer funds
  + Check balance
  + Deposit funds
* Communicate with bank
  + Send alert for low cash
* Start machine – do something - stop machine (business)
* Service machine
  + Verify ATM total cash on hand
  + Remove deposit envelopes
  + Stock cash
  + Reconcile ATM balance

## Partial goal names found

Use cases can be structured to drill down to a sequence of tasks not ending in a goal with value or repeatable. That sequence may be assigned a name to help out understanding e.g. Log In or Search for Product. These are helpful to identify reusable parts and cut down the amount of repeated text in a set of use cases, but not necessary.

* Start machine
* Stop machine