# Strategy

## Problem statement

The access to banking services is restricted to bank hours affecting the majority of our bank customers by having to wait to the next business day, adding more staff or hours, or finding another solution. Our solution will allow the bank to provide services at any hour and in locations where a bank branch is not located reducing overhead costs. Replacing teller and not having bank open with automation of transaction external to bank reduces overhead and improves customer experience.

## Constraints

Infrastructure, technology, laws, etc.

## Stakeholders

I. Hafmunee – Bank president

Gee Kee Tekhed – CIO of bank

# Analysis – high level

Post-elicitation stage done with all analysts after the initial interviews and document reviews. Do this first.

## Actors

Customer

System

Operator

## Use case names

### System use cases

Withdraw cash

Request balance

Transfer funds

Make a deposit

Display ads and info

### Business use cases

Collect deposits

Load cash in machine

Start machine

Shut off machine

Stock envelopes

Replace paper

Replace ink

## Use case groups found

* Perform maintenance
* Do transaction

## Partial goal names found

* Start session
* End session

# Project management

## Prioritization

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case name | Business /  Market  usage %  (3=100-67  2= 66-34, 1=0-33%) | Business / pricing value ( 3=exec/high,  2=mgmt./med.  1=staff/low) | Result = usage \* value | In a group, ask for the top 3 and  count the  total. |
| Withdraw cash |  |  |  | 7 |
| Request balance |  |  |  | 3 |
| Transfer funds |  |  |  | 4 |
| Make deposit |  |  |  | 7 |
| Display ads, info | 1 | 3 | 3 | 3 |

## Project Iterations

Move the use cases with priorities down to a schedule so that you can see what kind of sprints (Agile) you will have.

### set up

There needs to be a software stage to set up and get all the pieces initially running as a framework. It’s called stubbing out the system or mocking the system depending on what you need.

### 1st

Withdraw Cash

### 2nd

Transfer Funds

Make deposit

### 3rd

Request balance

Display ads

### 4th

# Analysis documents

Final versions of the requirements documents used for walk-throughs with the main stakeholders.

## Use Cases

### Summary of all use cases

A summary of the use cases in bullets or numbers serving like a table of contents. Summary focuses on inputs and outputs.

#### System use cases

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

Grouped use cases are either system or business use cases and can be groups of value/goal level use cases or groups of partial use cases like used in this example. 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.

* **Withdraw Cash** – customer starts session, requests cash, gets cash and receipt.

#### Business use cases

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

### UC1 - Withdraw Cash

Information about the use case, metadata

**Author** – BA class of 10/5/17

**Date created** - 10/5/17

**Date revised** -

**Actors** – Customer

**Other systems** – Bank

Sometimes called (supporting actors)

**Level** – Goal

Options are: goal | partial goal | group of goals | group of partial goals

**Type** – System

Options are: system, business

**Design constraints** – ATM chassis NexGen S9484848, ATMNet

**Priority** - 7

#### Value to sponsor (goal)

Reduce cost of transactions, customer experience, resource management, improved availability

#### Pre-conditions

Rules for beginning this use case: state of system prevents usage, must be testable

* System must have enough cash ??

#### Course of Events

1. The use case starts when the actor inserts card.
2. The system prompts actor for PIN. The actor enters PIN.
3. The system requests bank to validate PIN. The bank approves.
4. The system displays main menu (screen #1). The actor selects Withdraw Cash.

#### Extension points – optional

Sequences that return control back to the course of events after finished.

#### Alternative flows – errors, exceptions

Errors occur at any point where there is a validation of a rule.

Errors occur at communication to other systems.

#### Notes/ Special Requirements

Any kind of quality, capacity, security, availability, disaster recovery information.

## Data Dictionary (separate file)

## Rules (separate file)

Reusable rules referenced in multiple use cases. Referenced by R#1, R#2, etc.

1 –

## Glossary (separate file)

## Text messages (separate file)

ET#1 –

## Screens (separate file)

SD#1 –

## Reports (separate file)

R#1 -