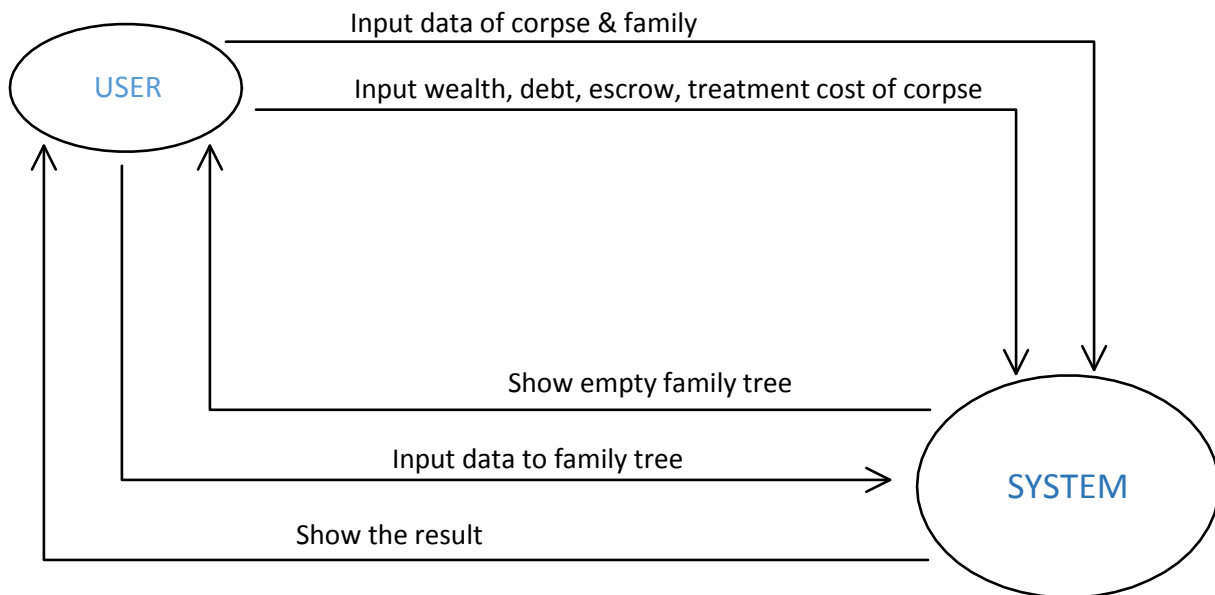# REQUIREMENTS

1. Android application
2. Admission of the corpse
3. Input family data
4. Input debt and treatment of corpse cost
5. Input escrow (wasiat)
6. Heritage system
7. Division formula
8. Family tree
9. Color specification for each status

DFD LEVEL 0

USER

Input data of corpse & family

Input wealth, debt, escrow, treatment cost of corpse

Show empty family tree

Input data to family tree

Show the result

SYSTEM

USE CASE DIAGRAM

ACTORS

HERITAGE SYSTEM

USER

ADMIN

Input corpse information

Input family information

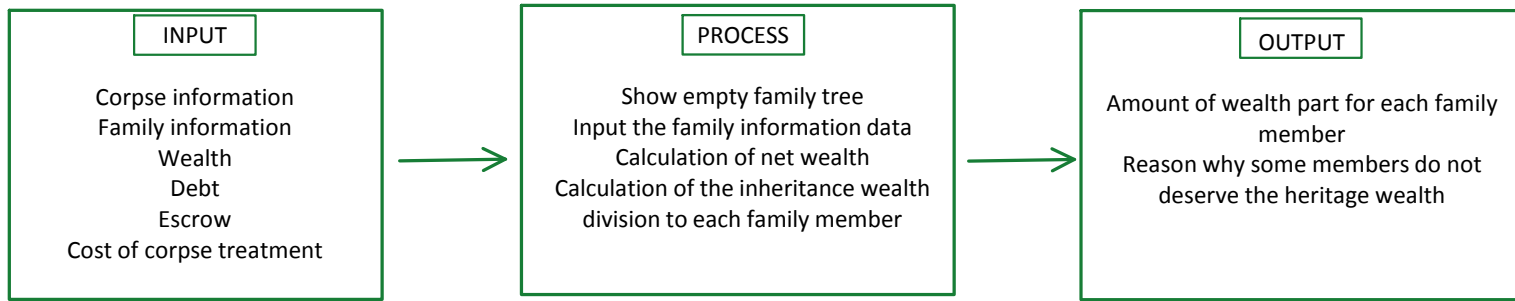Input wealth, debt, escrow, and cost of corpse treatment

Empty family tree

Input family tree

Process inheritance wealth

Result of calculation

ARCHITECTURE

INPUT	PROCESS	OUTPUT
Corpse information Family information Wealth Debt Escrow Cost of corpse treatment	Show empty family tree Input the family information data Calculation of net wealth Calculation of the inheritance wealth division to each family member	Amount of wealth part for each family member Reason why some members do not deserve the heritage wealth

EXPLANATION

User fills the form about corpse information, those are name, gender, and status in family. After filling the form, there will be shown new form to be filled with family information. The family information consists of the amount of husband/wife, brother, sister, parents, grandparents, children, grandchildren, cousin, and niece. The next form is about the wealth, consists of amount of wealth left by the corpse, debt, escrow, and cost of corpse treatment.

After inputting those information, the page will show the screen of empty family tree. The user must input the name, gender, and life status in the family tree, and the color of each column in family tree will be changed according to the life status and/or uninheritable persons.

The wealth will be reduced by the total of debt, escrow, and cost of corpse treatment. After getting the net wealth, it will be divided accord with the formula of heritage division in Islamic law.

The process of division of the inheritance is finished when the screen shows the amount of the wealth part for each heritable members and the reason why some members do not deserve the inheritance.

ACTIVITY DIAGRAM

USER INPUT CORPSE INFORMATION, FAMILY DATA, WEALTH, DEBT, ESCROW, COST OF CORPSE TREATMENT

SYSTEM SHOW THE EMPTY FAMILY TREE

USER INPUT DATA TO FAMILY TREE

SYSTEM SHOW THE RESULT IN FAMILY TREE FORM

Start of process

End of Process