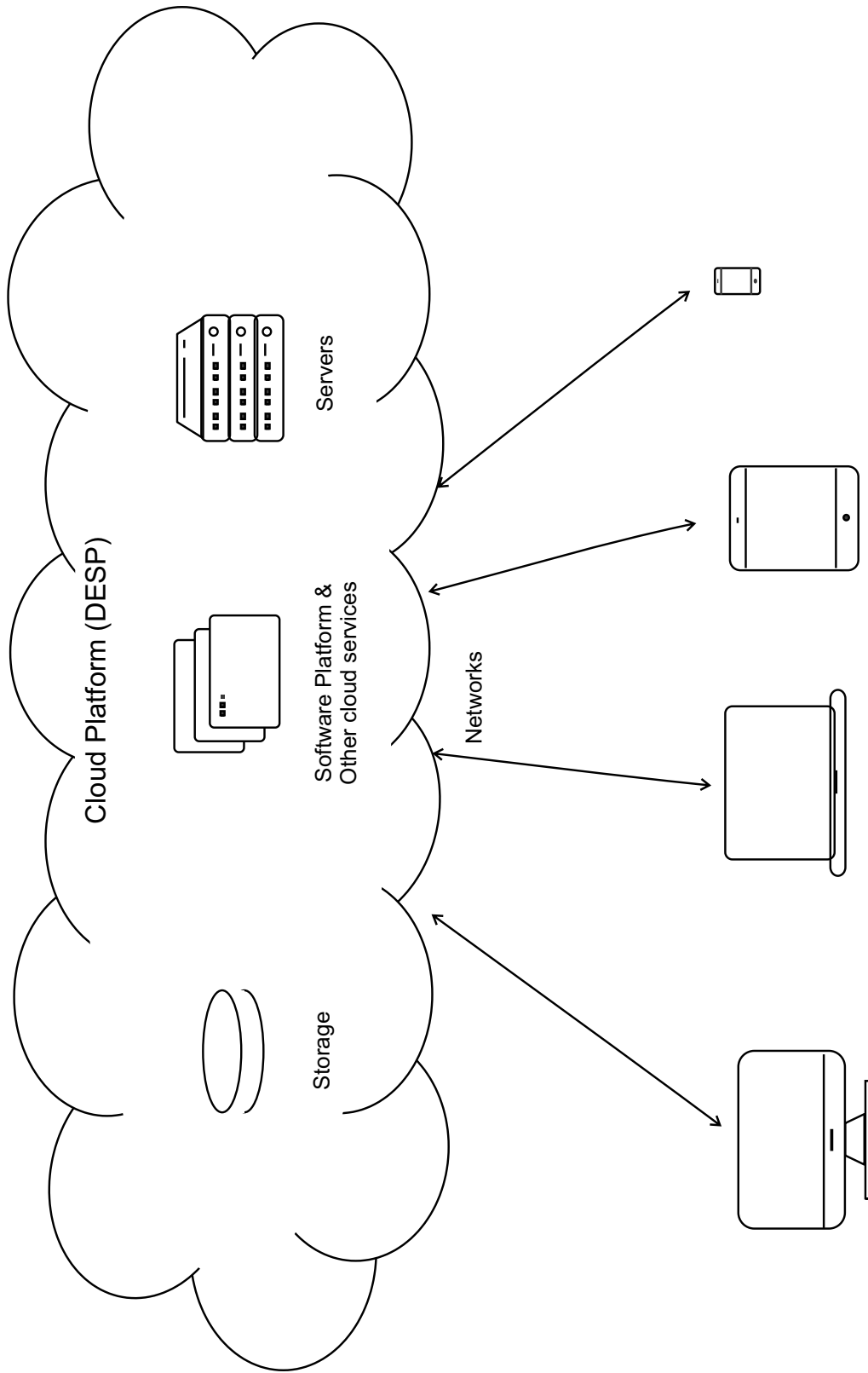
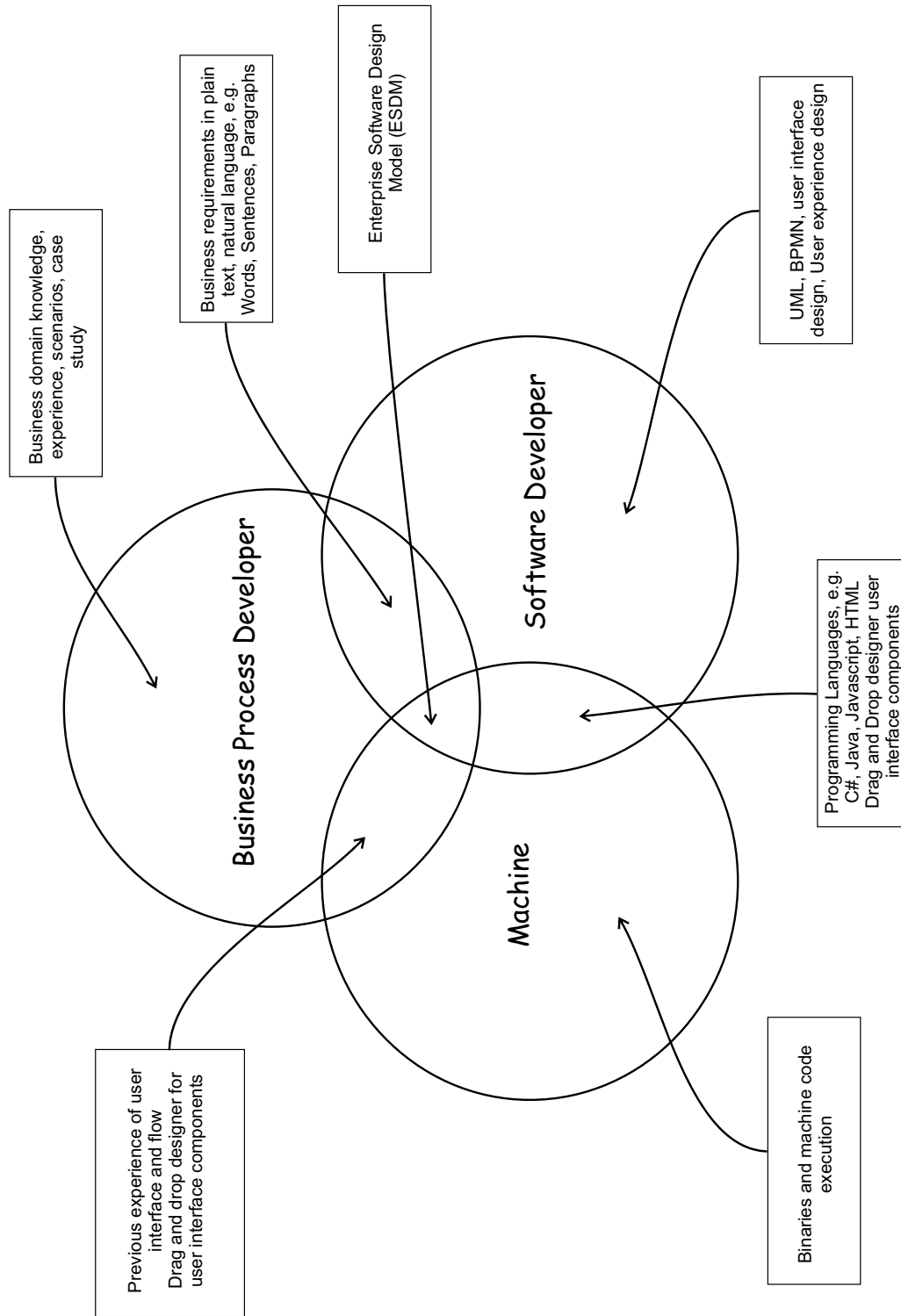
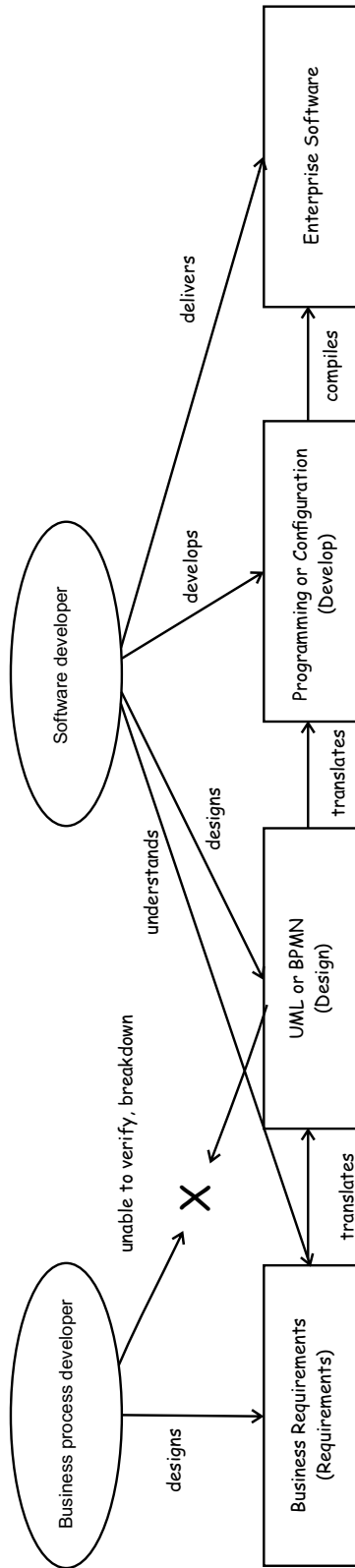
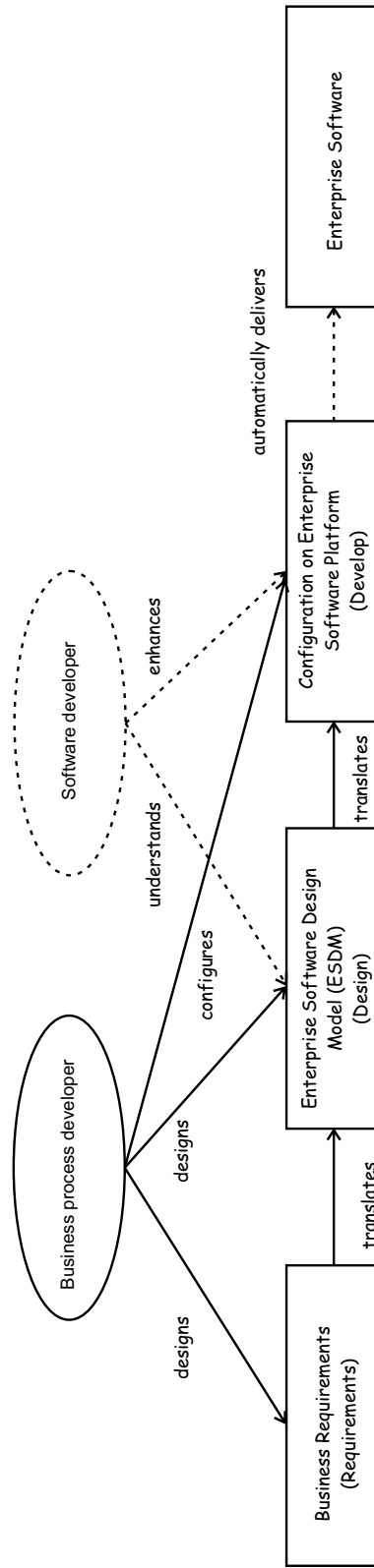


**FIG 1**

**FIG 2**



Without Enterprise Design Model, Mapping and Reduction



With Enterprise Software Design Model, Mapping and Reduction

FIG 3

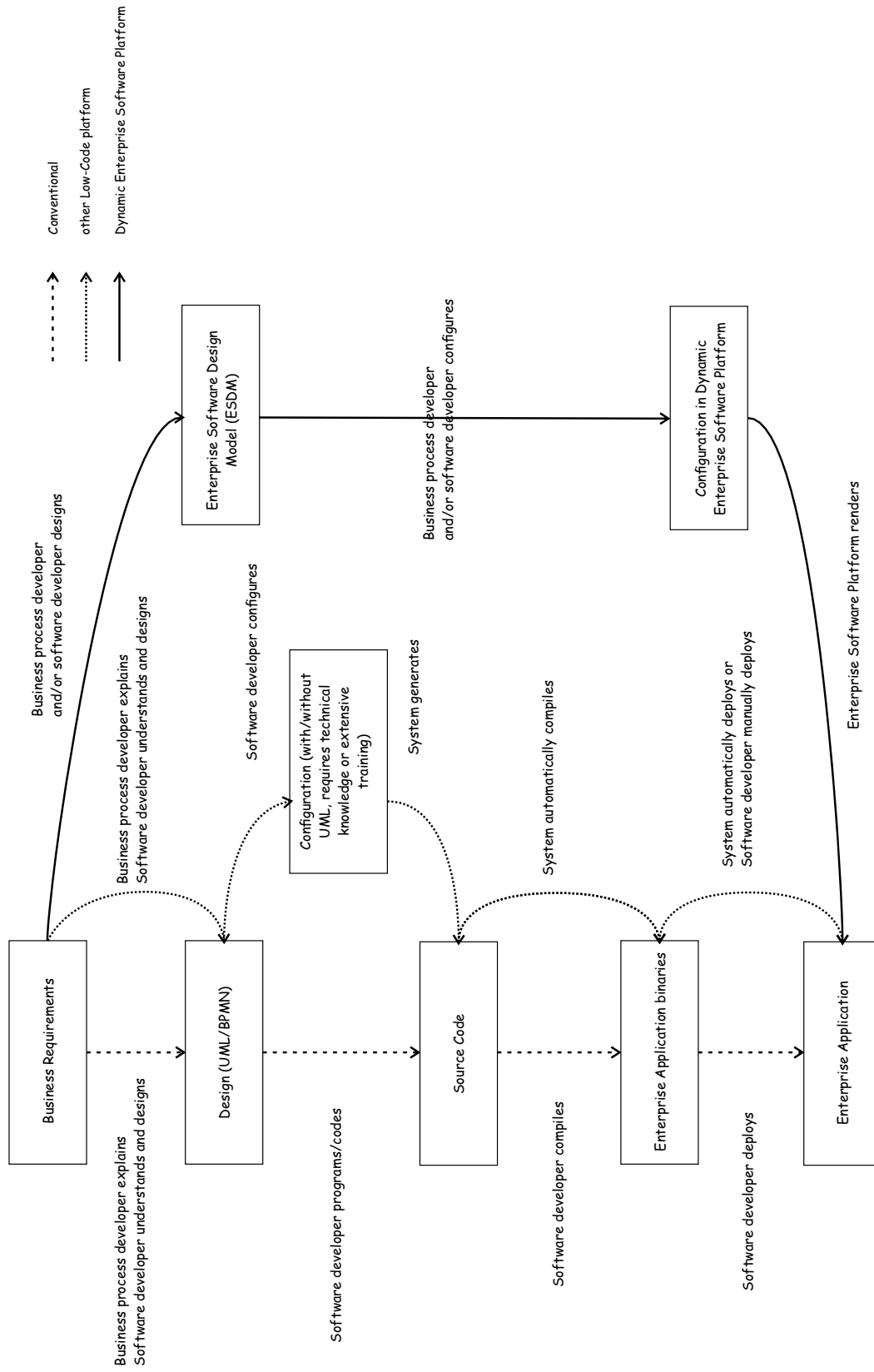
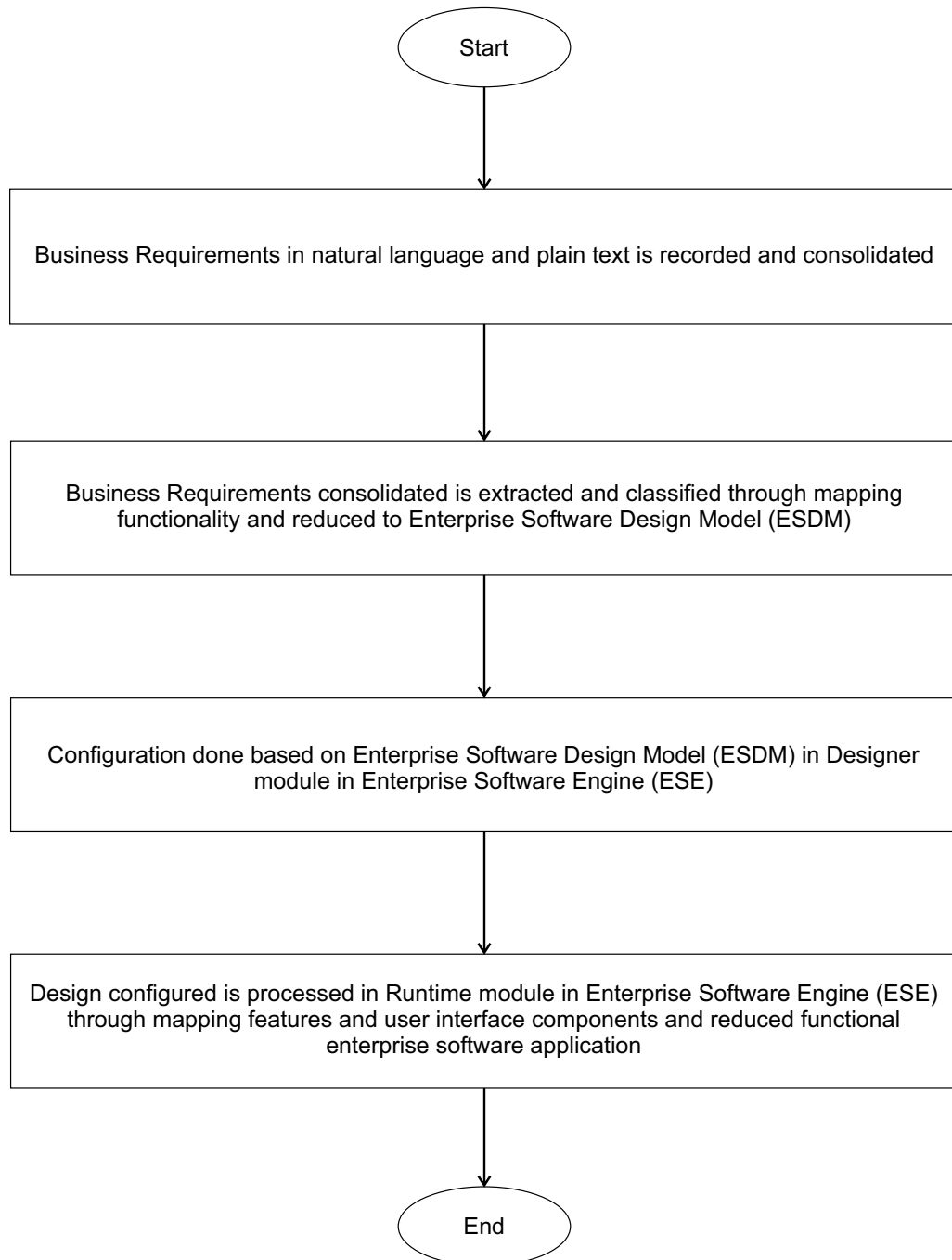
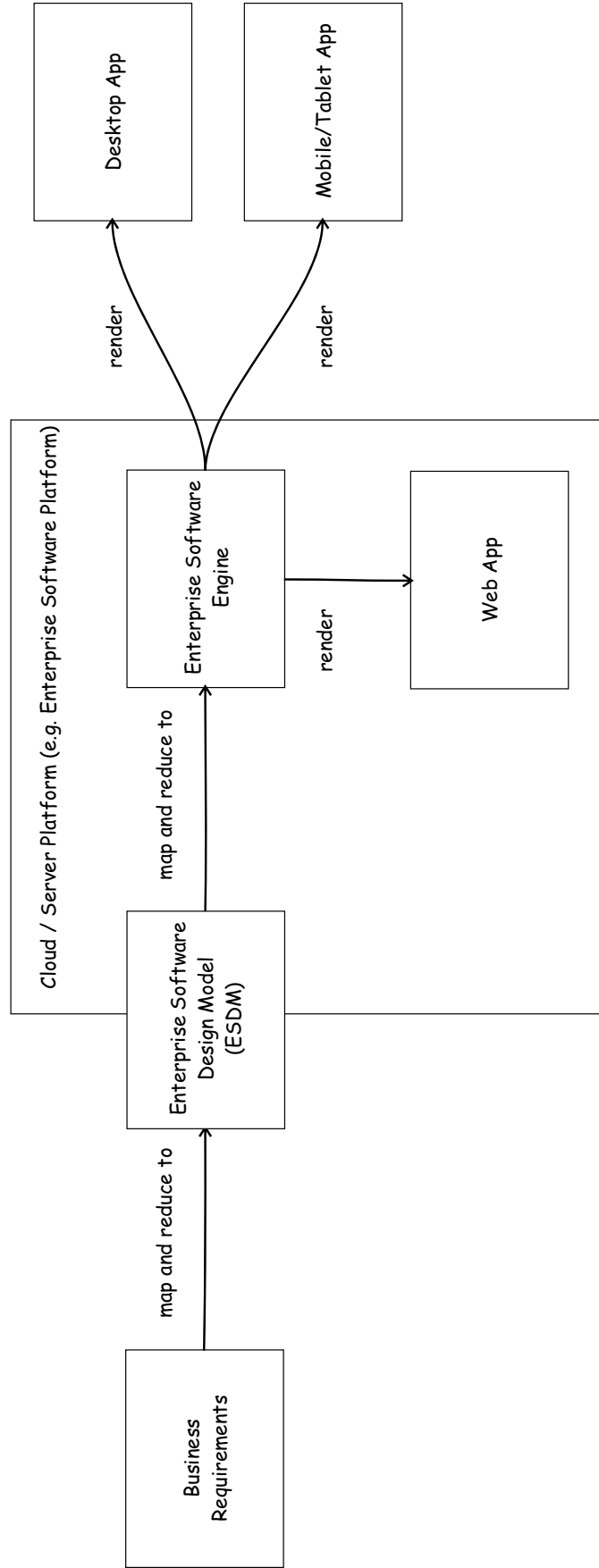


FIG 4

**FIG 5**

**FIG 6**

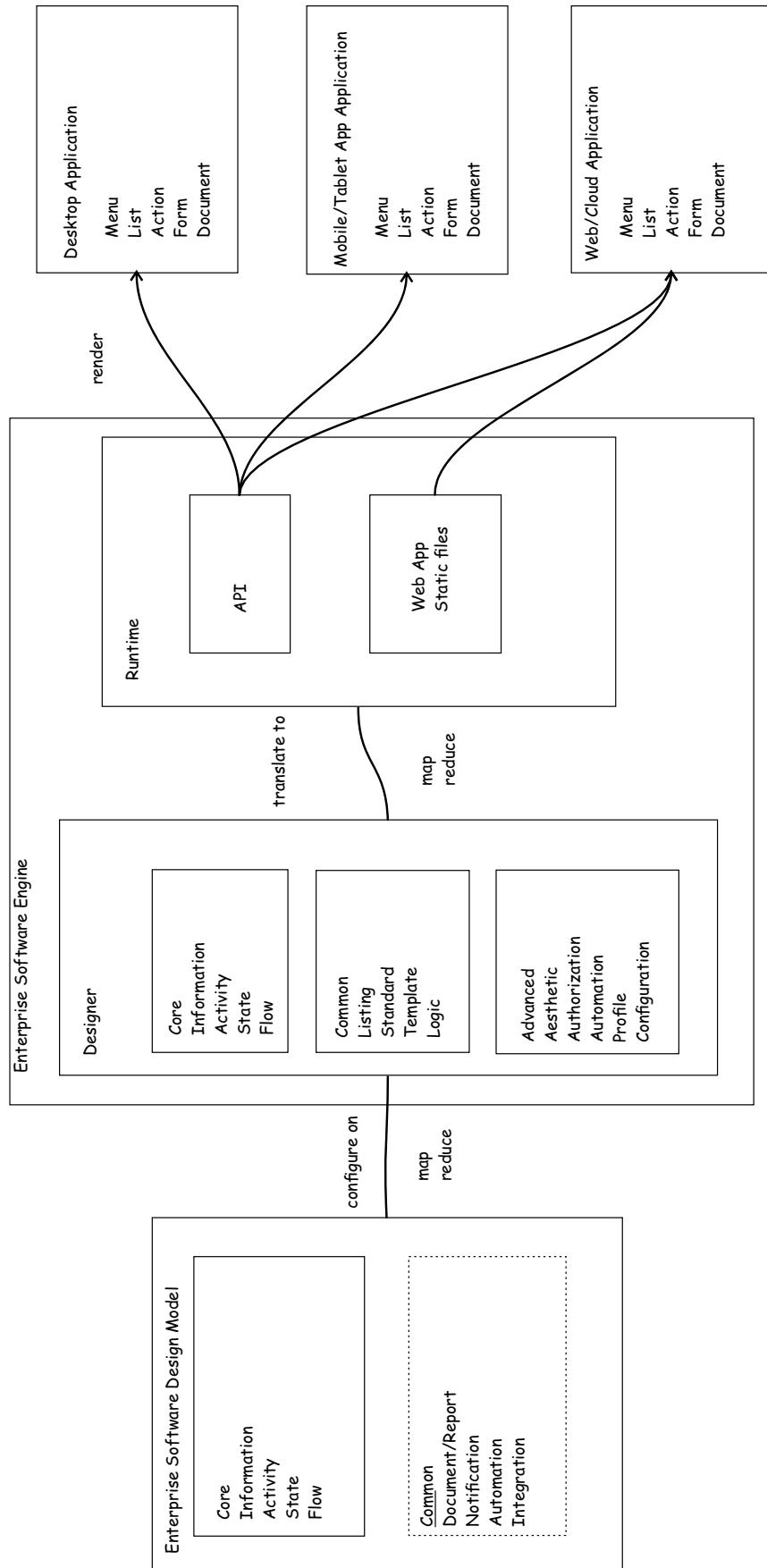
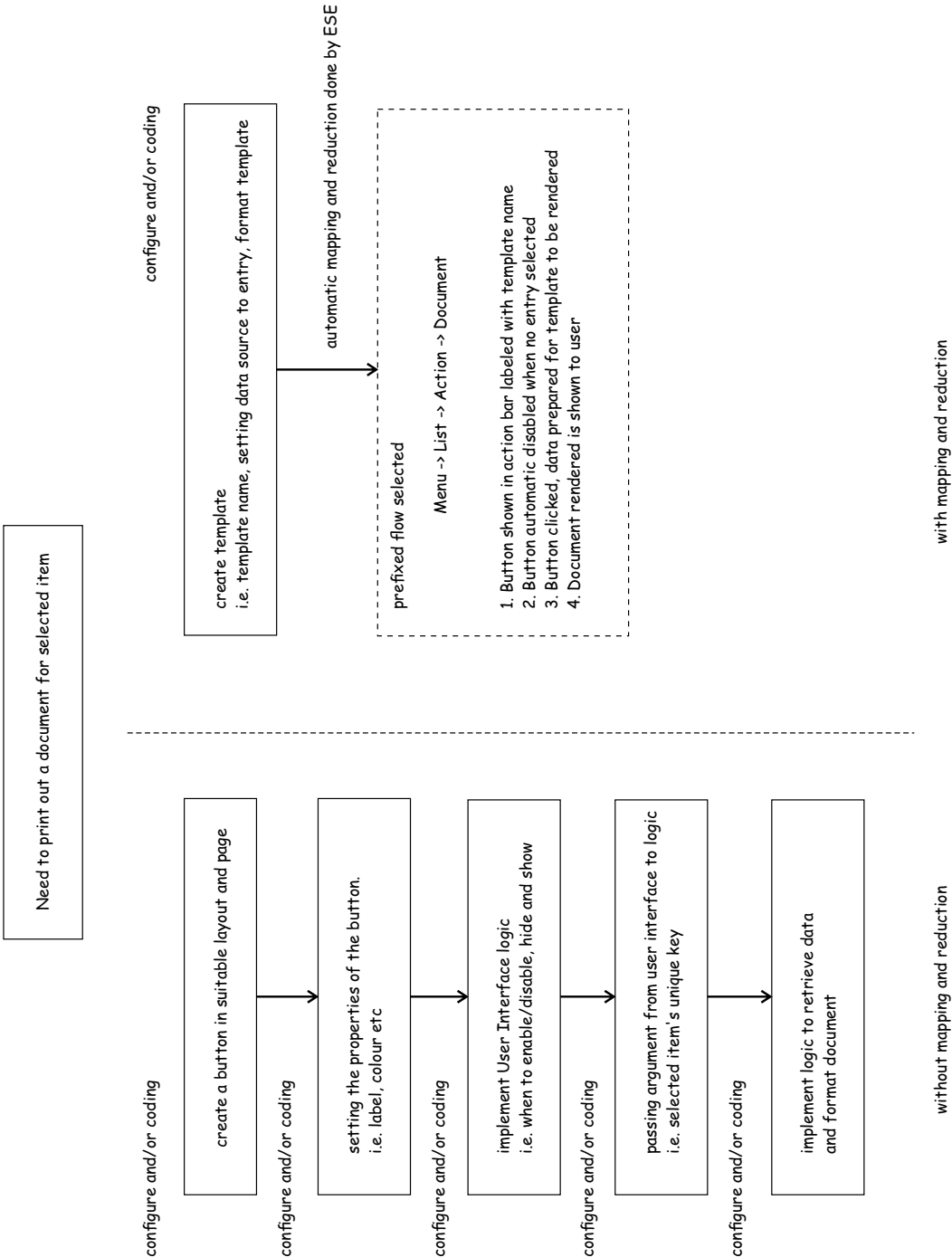
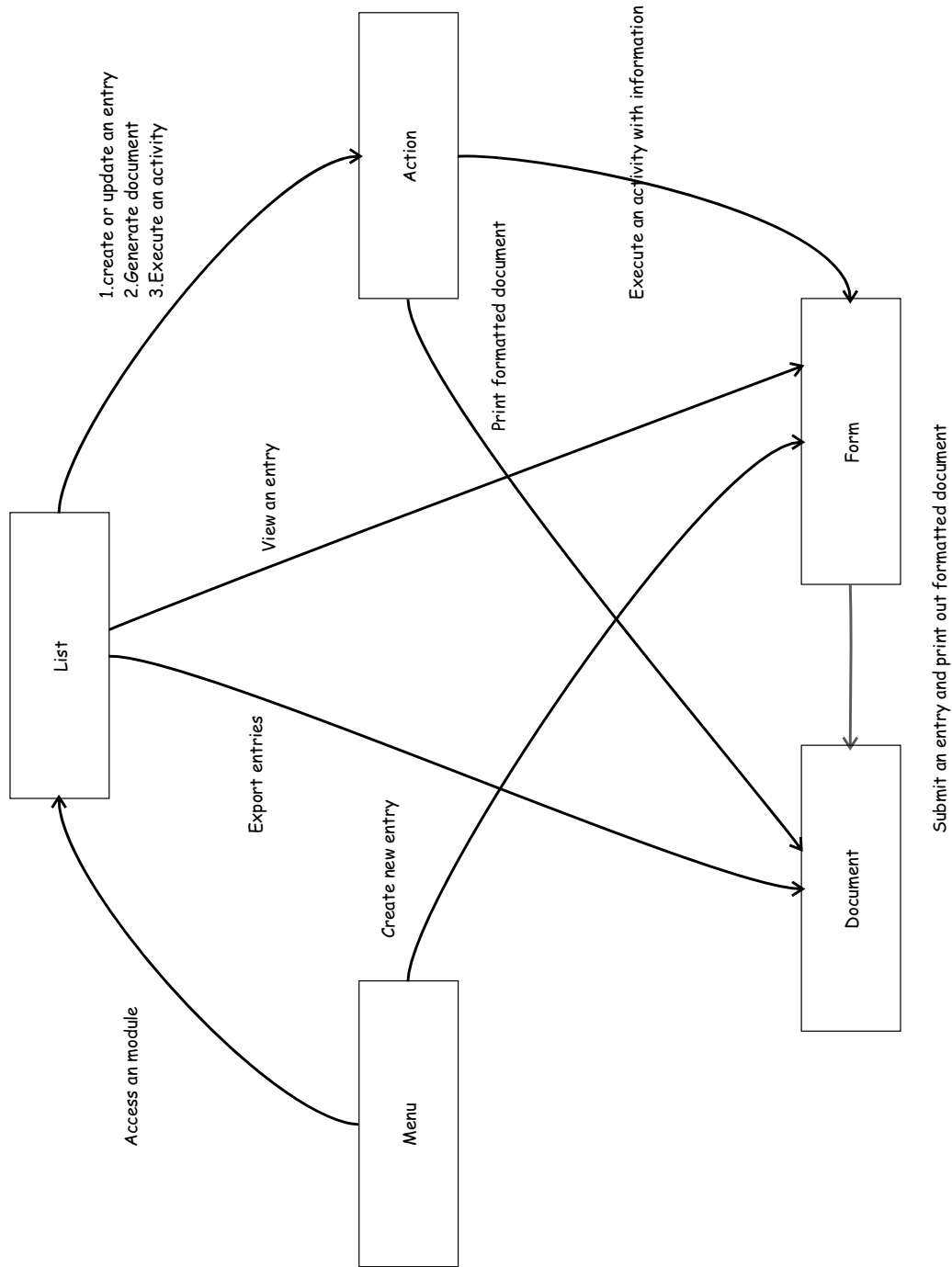


FIG 7



**FIG 9**

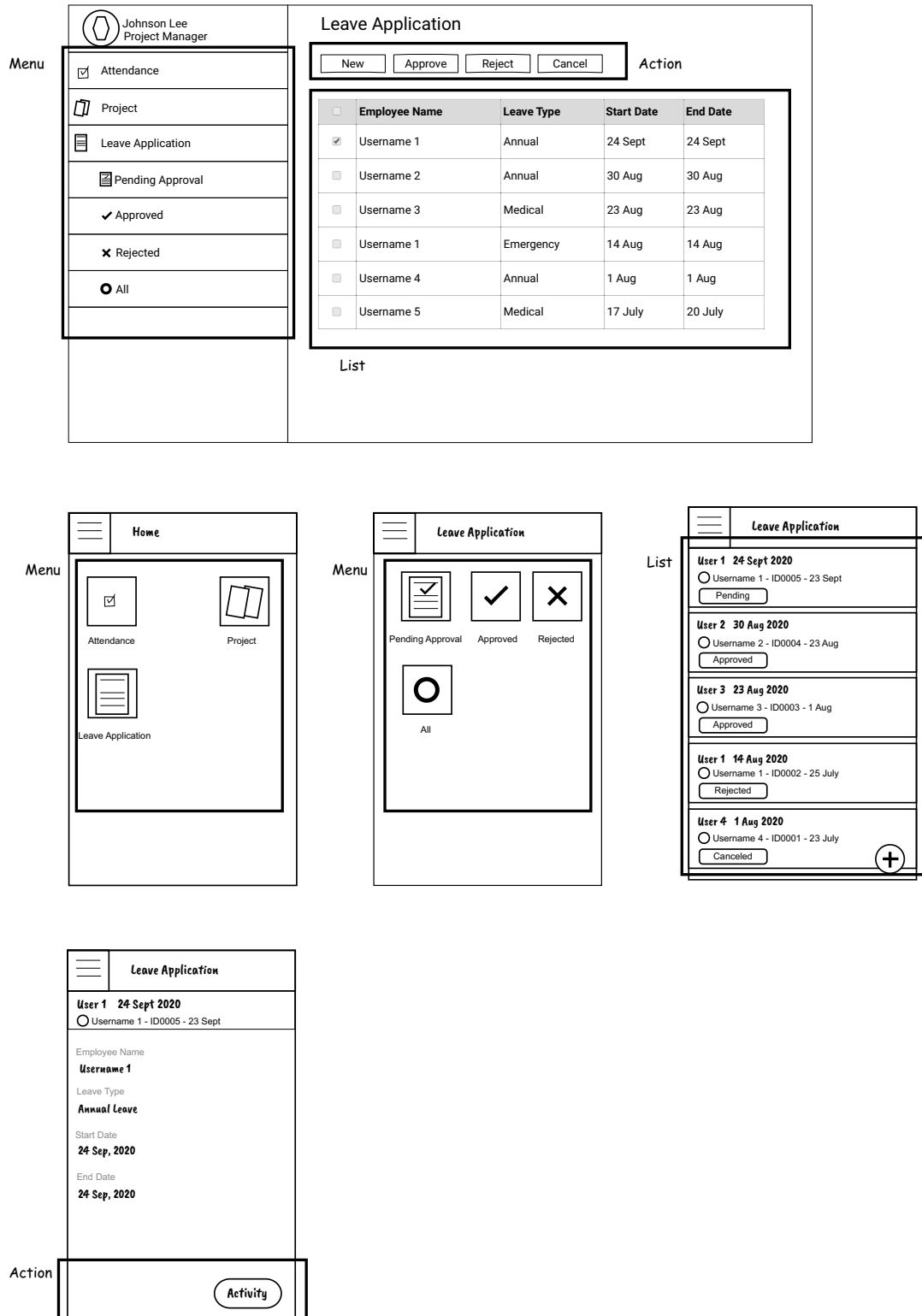


FIG 10

Johnson Lee
Project Manager

☒ Attendance

Project

Leave Application

Pending Approval

☒ Approved

☒ Rejected

☒ All

Leave Application

Employee Name

Leave Type

Start Date

End Date

OK

Cancel

Form

Form

←

New Leave Application

Employee Name

Leave Type

Start Date

End Date

OK

FIG 11

FIG 12

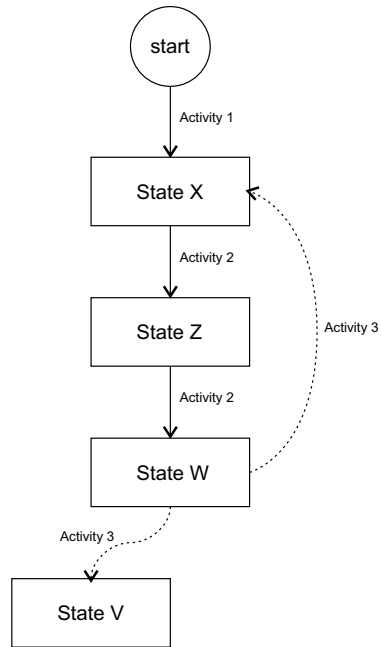
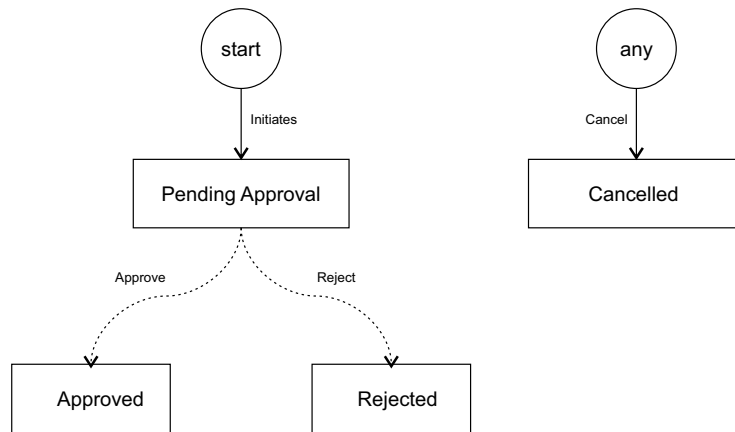


FIG 13A

	From [State]	Activity -(activity)->	To [state]
1	start	(Activity 1)	[State X]
2	[State X]	(Activity 2)	[State Z]
3	[State Z]	(Activity 3)	[State W]
4	[State W]	(Activity 4)	If condition 1 met, [State X] else, [State V]

FIG 13B

**FIG 14A**

	From [state]	Activity -(activity)->	To [state]
1		Create	[Pending Approval]
2	[Pending Approval]	Approve	[Approved]
3	[Pending Approval]	Reject	[Rejected]
4		Cancel	[Cancelled]

FIG 14B

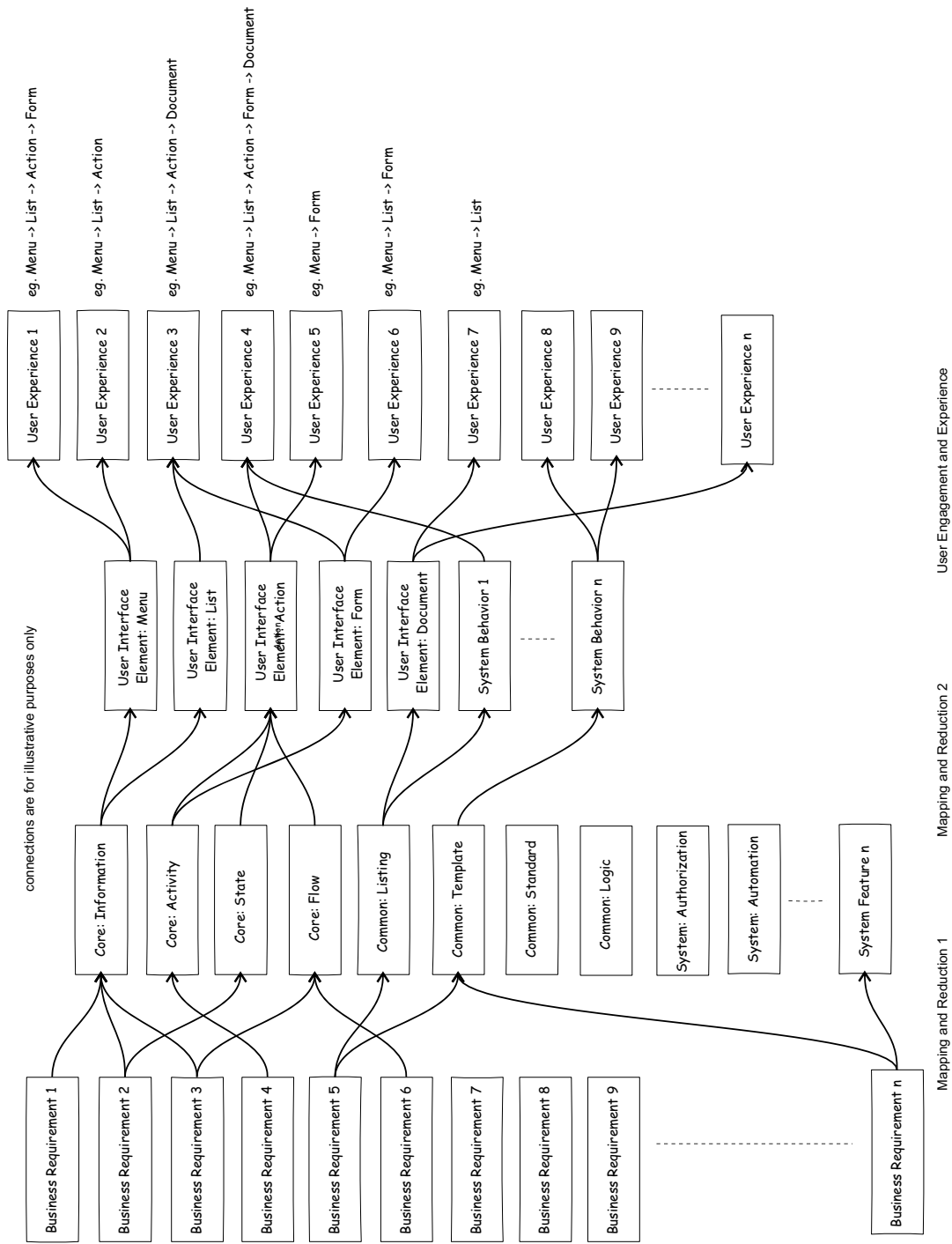


FIG 15

Information	Activity	State	Flow
Employee Name Leave Type Reason of Rejection  Start Date End Date	Approve  Reject  Cancel   	Pending Approval  Approved  Rejected Cancelled	Pending Approval -> Approve -> Approved Pending Approval -> Reject -> Rejected Pending Approval -> Cancel ->Cancelled
Standard	Listing	Template	Logic
Create View  Edit	Pending Approval Approved Rejected All	Leave Application Form	

FIG 16

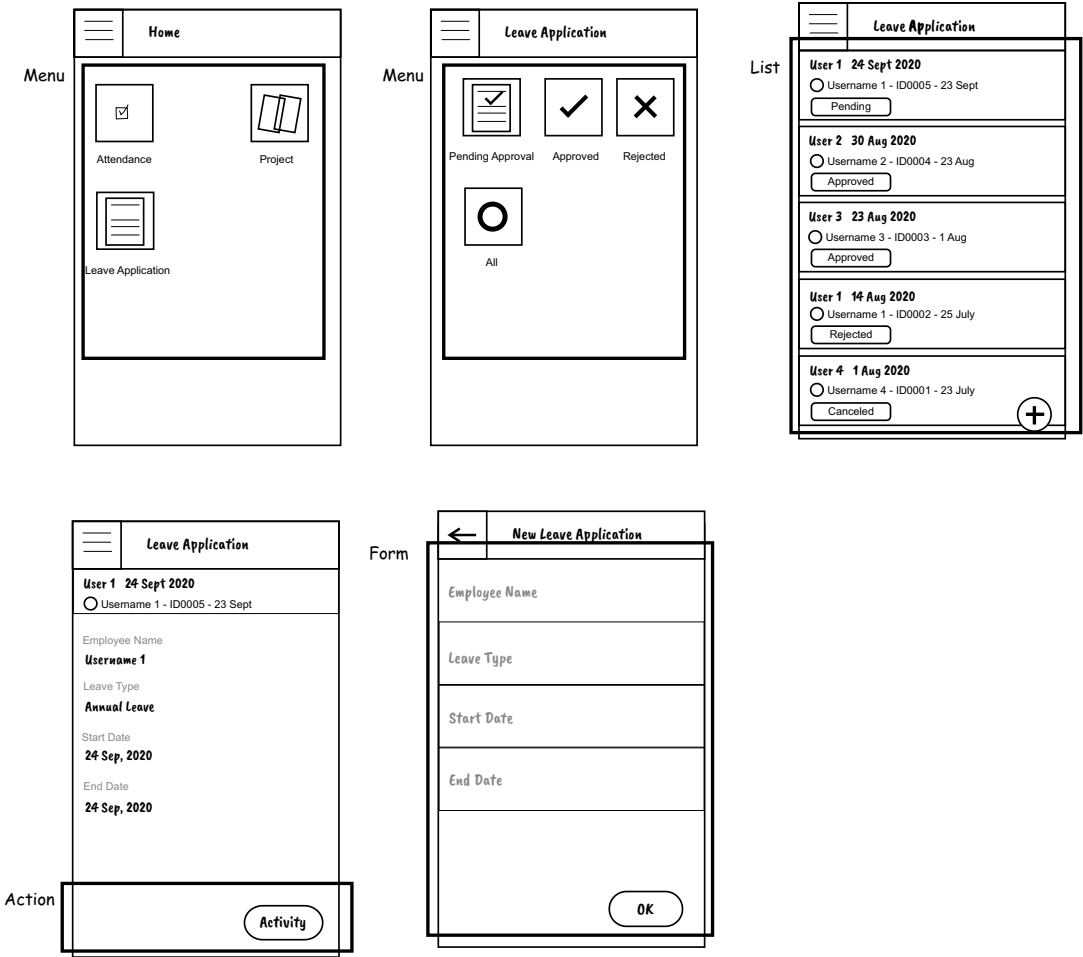


FIG 17

Leave Application

Middle

Search something for...

Information

Employee Name

Leave Type

Reason of Rejection

Start Date

End Date

UPDATE INFORMATION

Activity

Approve

Reject

Cancel

ADD NEW ACTIVITY

State

Pending Approval

Approved

Rejected

Cancelled

ADD NEW STATE

Flow

Pending Approval → Approve → Approved

Pending Approval → Reject → Rejected

Pending Approval → Cancel → Cancelled

ADD NEW FLOW

Standard

Create

View

Edit

Listing

Pending Approval

Approved

Rejected

All

ADD NEW LISTING

Template

Leave Application Form

ADD NEW TEMPLATE

Logic

ADD NEW LOGIC

FIG 18