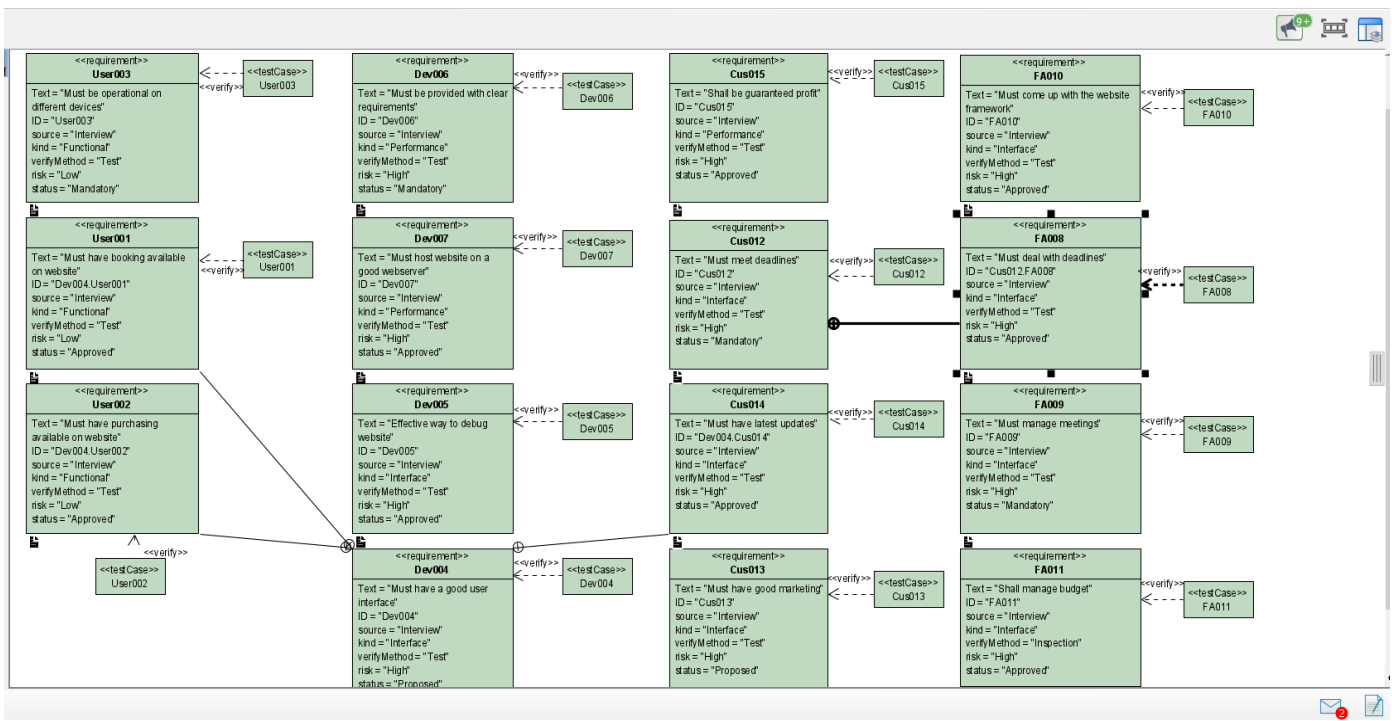# Requirements Modelling

Group Number: 22
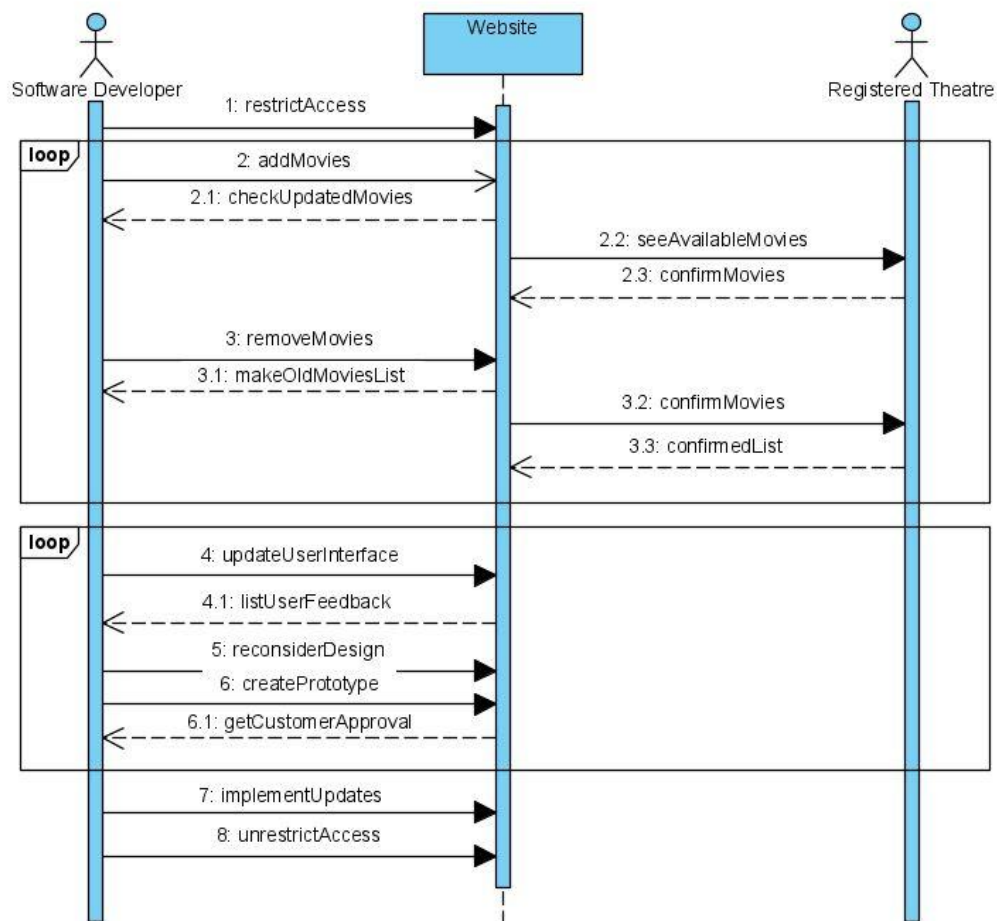**Authors:** Kinjal Shah, Danial Shaikh
Student ID: 100743551, 100698628
Date: 2021/04/10

1st Diagram - Shows a refined model of the user requirements. Some requirements are associated with others.

<<requirement>>
User003
Text = "Must be operational on different devices"
ID = "User003"
source = "Interview"
kind = "Functional"
verifyMethod = "Test"
risk = "Low"
status = "Mandatory"
<<testCase>> User003
<<verify>>

<<requirement>>
Dev006
Text = "Must be provided with clear requirements"
ID = "Dev006"
source = "Interview"
kind = "Performance"
verifyMethod = "Test"
risk = "High"
status = "Mandatory"
<<verify>> <<testCase>> Dev006

<<requirement>>
Cus015
Text = "Shall be guaranteed profit"
ID = "Cus015"
source = "Interview"
kind = "Performance"
verifyMethod = "Test"
risk = "High"
status = "Approved"
<<verify>> <<testCase>> Cus015

<<requirement>>
FA010
Text = "Must come up with the website framework"
ID = "FA010"
source = "Interview"
kind = "Interface"
verifyMethod = "Test"
risk = "High"
status = "Approved"
<<verify>> <<testCase>> FA010

<<requirement>>
User001
Text = "Must have booking available on website"
ID = "Dev004.User001"
source = "Interview"
kind = "Functional"
verifyMethod = "Test"
risk = "Low"
status = "Approved"
<<testCase>> User001
<<verify>>

<<requirement>>
Dev007
Text = "Must host website on a good webserver"
ID = "Dev007"
source = "Interview"
kind = "Performance"
verifyMethod = "Test"
risk = "High"
status = "Approved"
<<verify>> <<testCase>> Dev007

<<requirement>>
Cus012
Text = "Must meet deadlines"
ID = "Cus012"
source = "Interview"
kind = "Interface"
verifyMethod = "Test"
risk = "High"
status = "Mandatory"
<<verify>> <<testCase>> Cus012

<<requirement>>
FA008
Text = "Must deal with deadlines"
ID = "Cus012.FA008"
source = "Interview"
kind = "Interface"
verifyMethod = "Test"
risk = "High"
status = "Approved"
<<verify>> <<testCase>> FA008

<<requirement>>
User002
Text = "Must have purchasing available on website"
ID = "Dev004.User002"
source = "Interview"
kind = "Functional"
verifyMethod = "Test"
risk = "Low"
status = "Approved"

<<requirement>>
Dev005
Text = "Effective way to debug website"
ID = "Dev005"
source = "Interview"
kind = "Interface"
verifyMethod = "Test"
risk = "High"
status = "Approved"
<<verify>> <<testCase>> Dev005

<<requirement>>
Cus014
Text = "Must have latest updates"
ID = "Dev004.Cus014"
source = "Interview"
kind = "Interface"
verifyMethod = "Test"
risk = "High"
status = "Approved"
<<verify>> <<testCase>> Cus014

<<requirement>>
FA009
Text = "Must manage meetings"
ID = "FA009"
source = "Interview"
kind = "Interface"
verifyMethod = "Test"
risk = "High"
status = "Mandatory"
<<verify>> <<testCase>> FA009

<<verify>>
<<testCase>> User002

<<requirement>>
Dev004
Text = "Must have a good user interface"
ID = "Dev004"
source = "Interview"
kind = "Interface"
verifyMethod = "Test"
risk = "High"
status = "Proposed"
<<verify>> <<testCase>> Dev004

<<requirement>>
Cus013
Text = "Must have good marketing"
ID = "Cus013"
source = "Interview"
kind = "Interface"
verifyMethod = "Test"
risk = "High"
status = "Proposed"
<<verify>> <<testCase>> Cus013

<<requirement>>
FA011
Text = "Shall manage budget"
ID = "FA011"
source = "Interview"
kind = "Interface"
verifyMethod = "Inspection"
risk = "High"
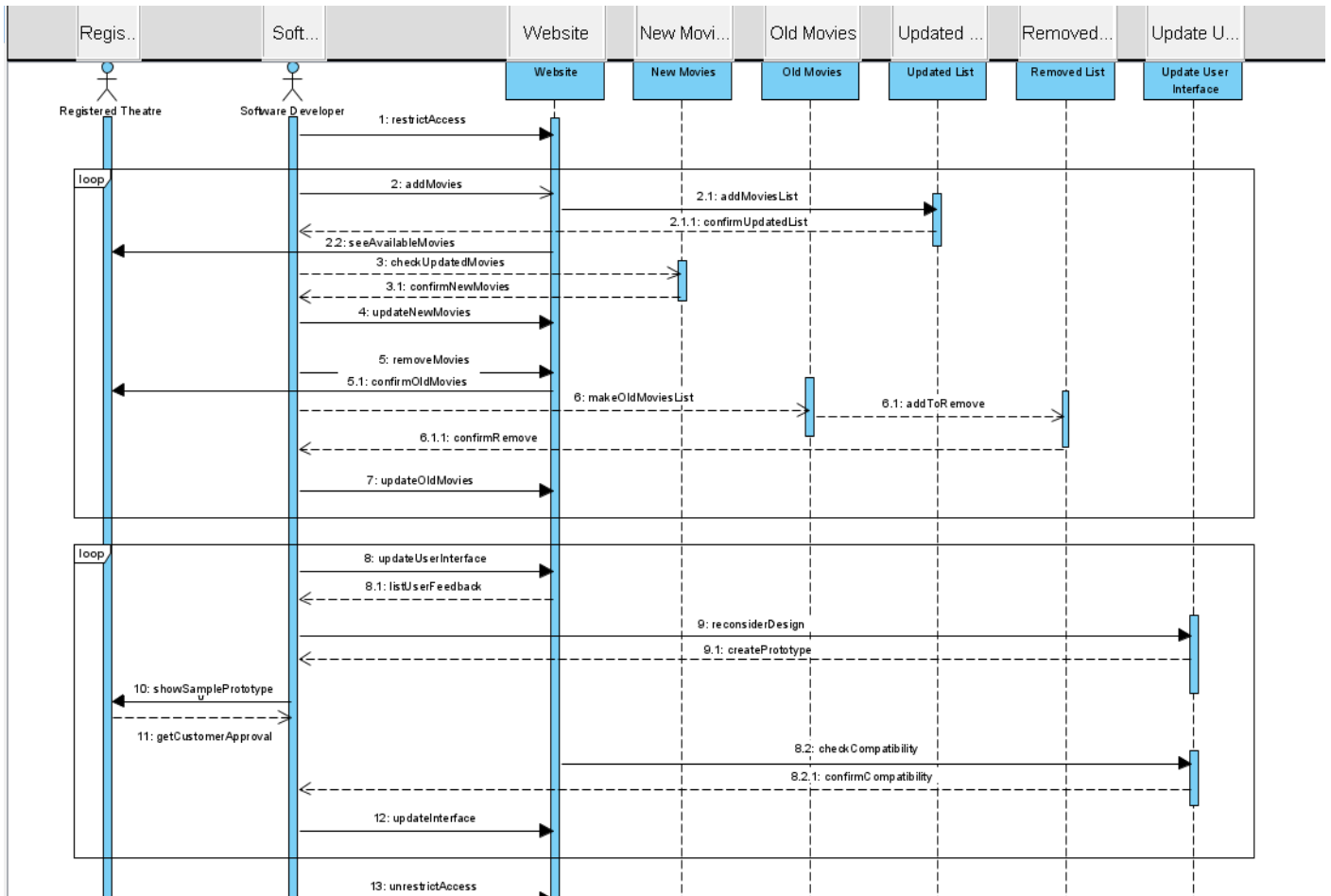status = "Approved"
<<verify>> <<testCase>> FA011

2nd Diagram -
The website is the system for our Use Case 2 from Lab 2. The actors are the Web Developer and the Registered Theatre. It shows the basic workings of what happens while a Web Developer is updating the website. There are two loops, one for the adding/removing of the movies and the other is the updating of the actual interface for the website.

3rd Diagram -
Our principle class was the website class therefore, all the 5 other classes would
    interact with the website class. The 5 other classes are the New Movies class, Old
    Movies class, Updated List class, Removed List class, and Update User Interface
    class. This diagram is a much more detailed version of the one above this. It shows
    more descriptions of what happens while the web developer is updating the website
    with new changes. There are two loops, one for adding and/or removing movies
    from the website and the other is for the updating of the user interface for the
    website.

4th Diagram -
From our lab 3, our principle class was the website class. The state model shows the behavior of the other 5 classes, interacting with each other within the principle class.