

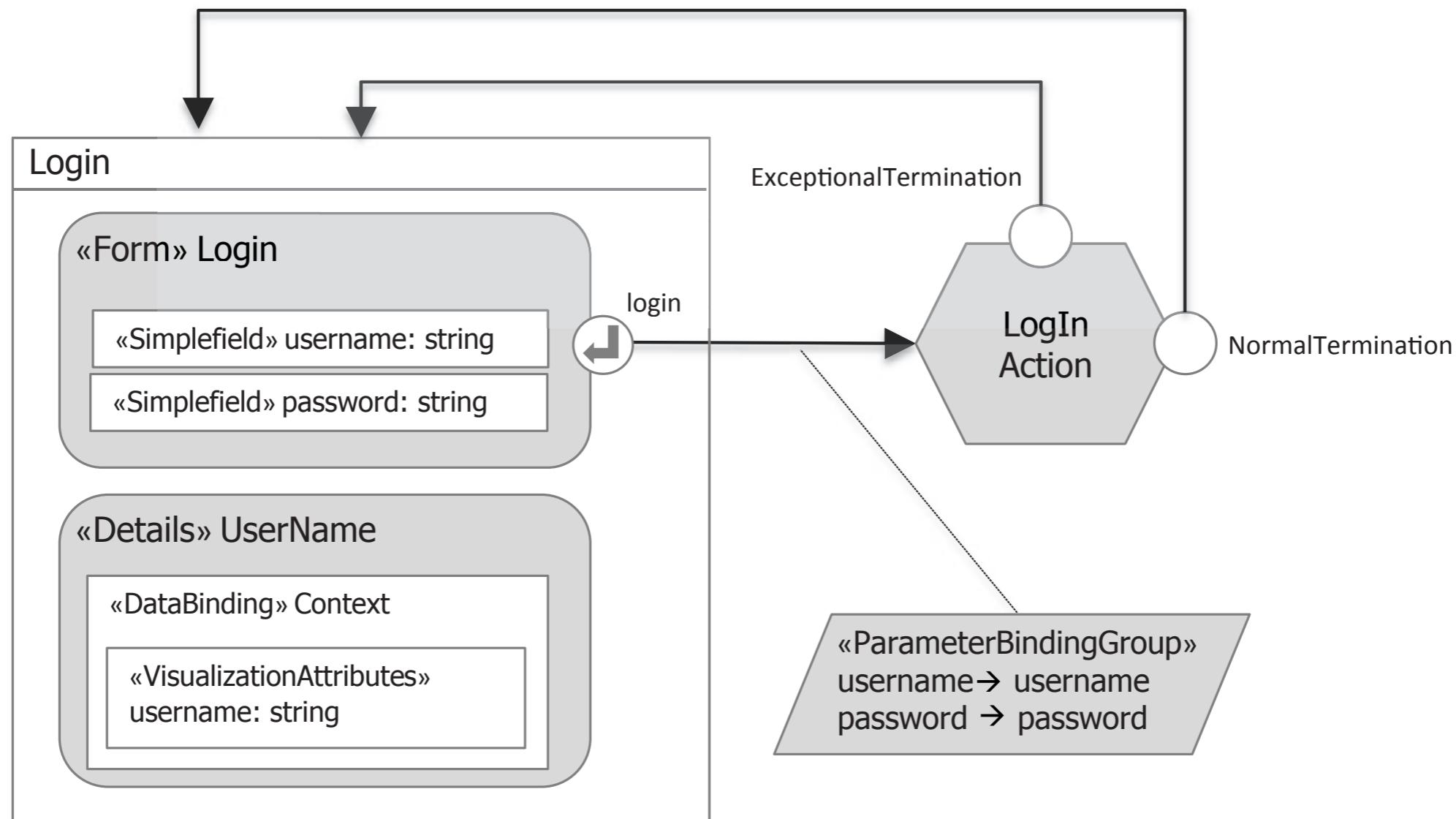
CHAPTER

Modeling patterns

8

8.7 PERSONALIZATION, IDENTIFICATION, AND AUTHORIZATION

8.7.1 PATTERN IA-LISTIN: LOGIN



Login

Username JValdez

Password *****

User

JValdez

Login

Username JValdez

Password *****

Alert

Invalid Username or
Password. Please try
again.

Login

Username JValdez

Password *****

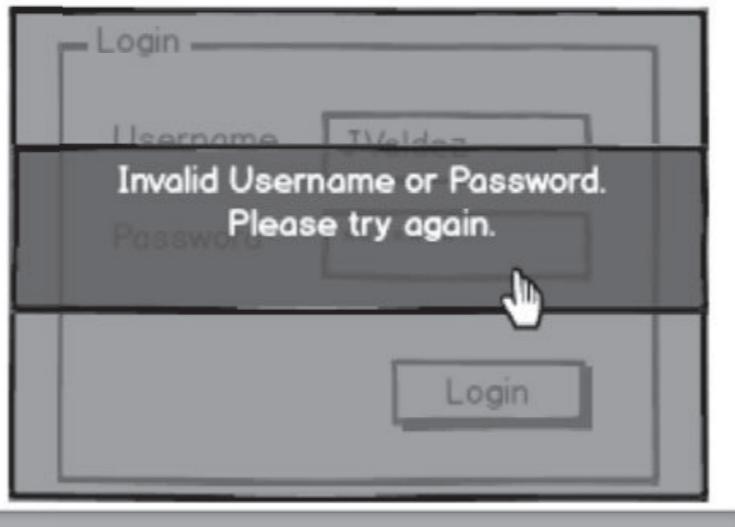


FIGURE 8.34

Example of the login pattern.

8.7.2 PATTERN IA-LOGOUT: LOGOUT

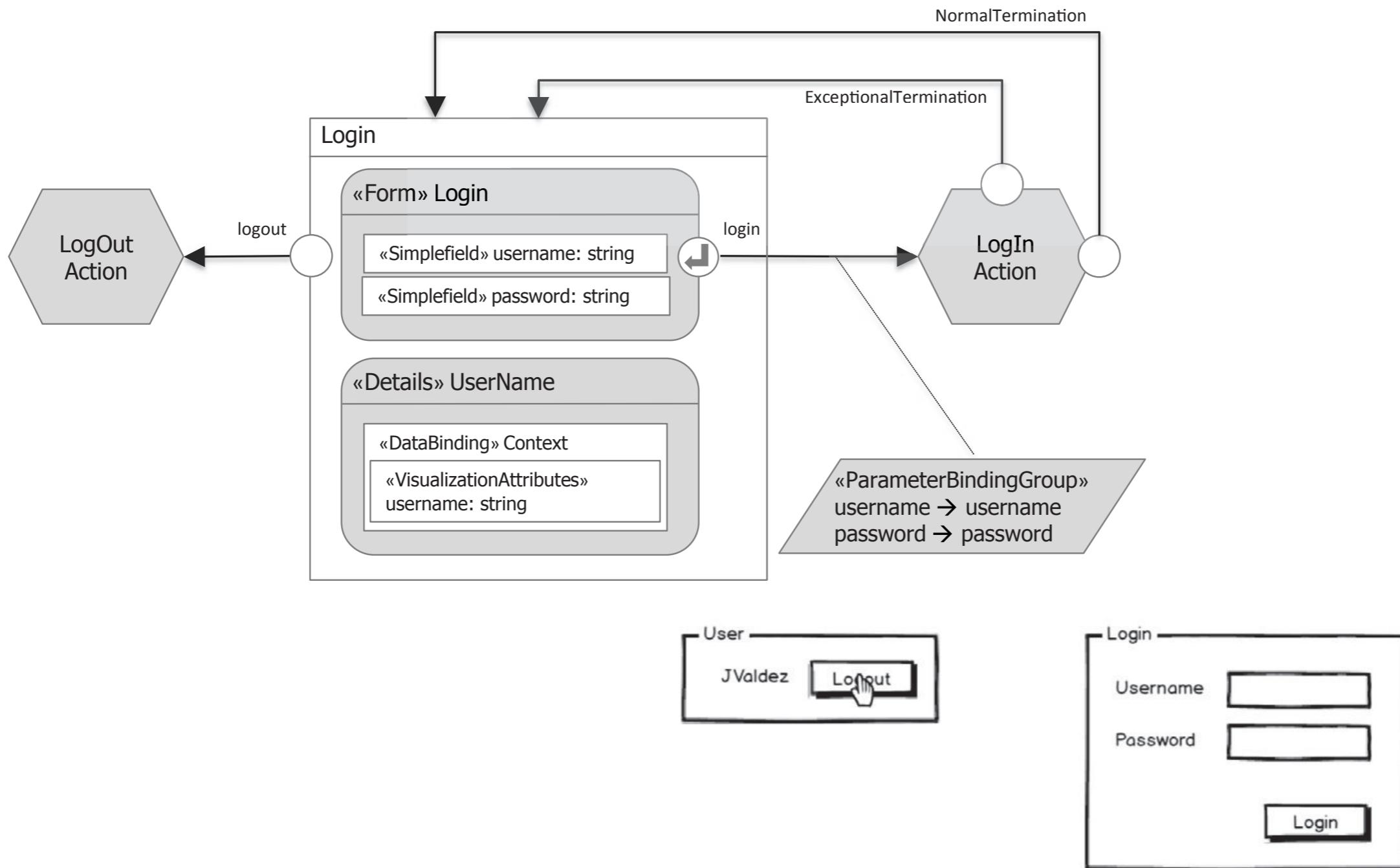
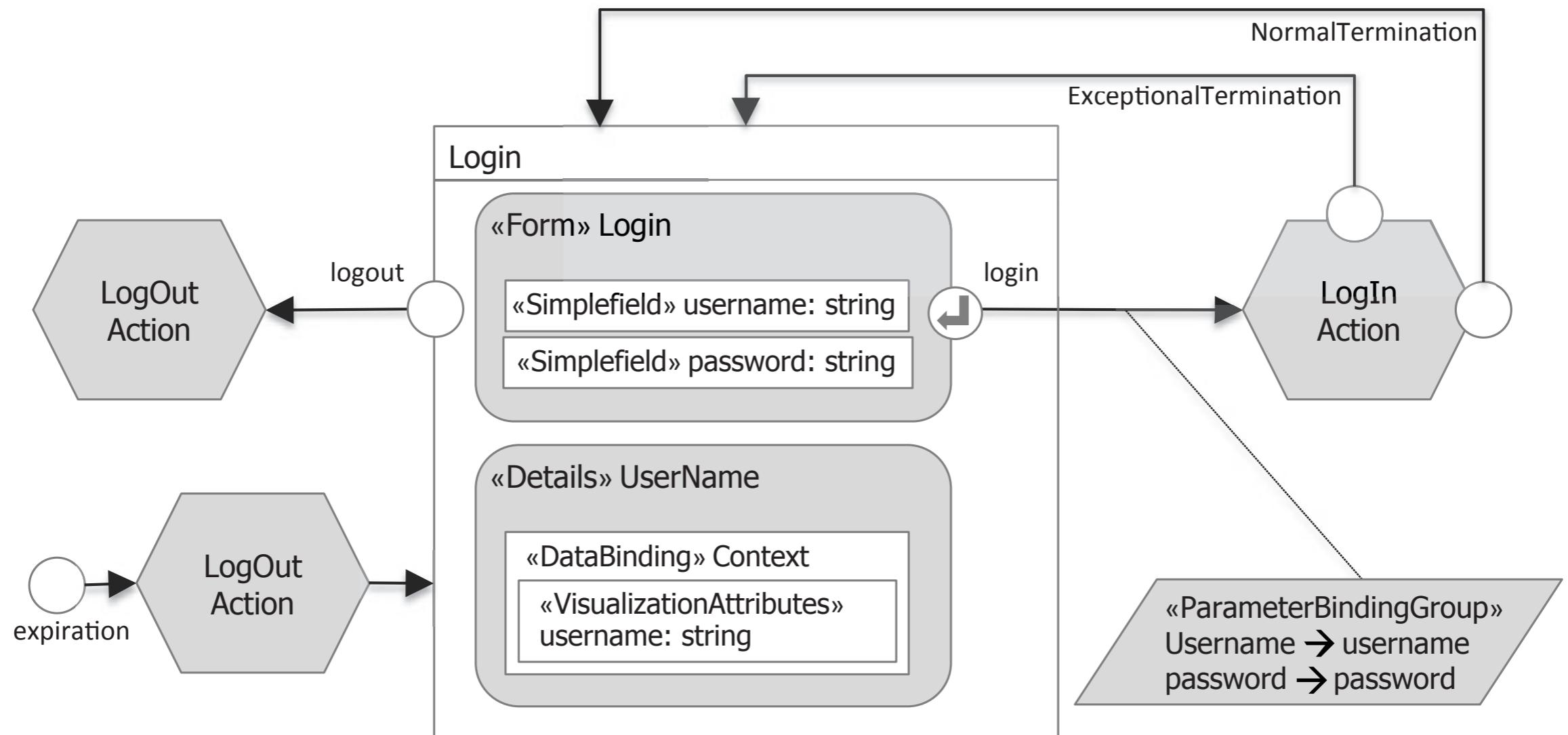


FIGURE 8.35

Example of the logout pattern.

8.7.3 PATTERN IA-CEX: CONTEXT EXPIRATION NOTIFICATION



User

JValdez

Login

Username

Password

User

JValdez

User

This session has expired

Login

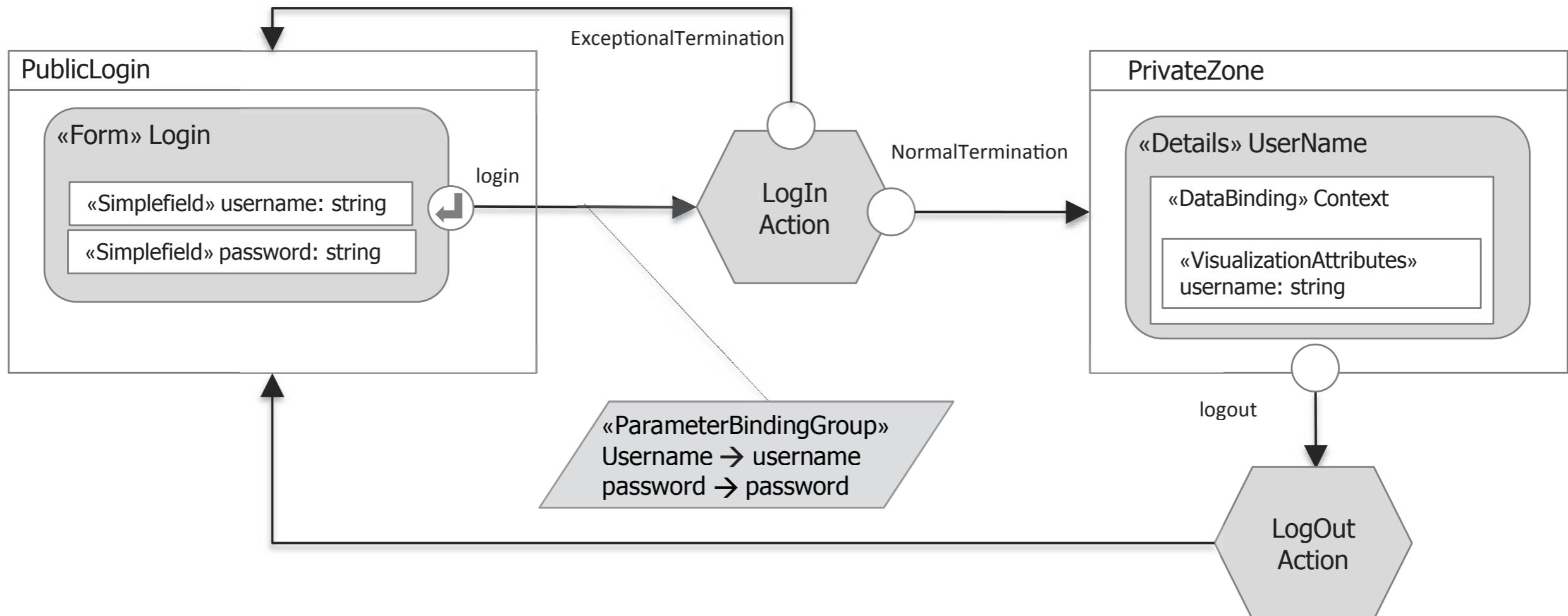
Username

Password

FIGURE 8.36

Example of the authentication expiration pattern.

8.7.4 PATTERN IA-SPLOG: LOGIN TO A SPECIFIC VIEWCONTAINER



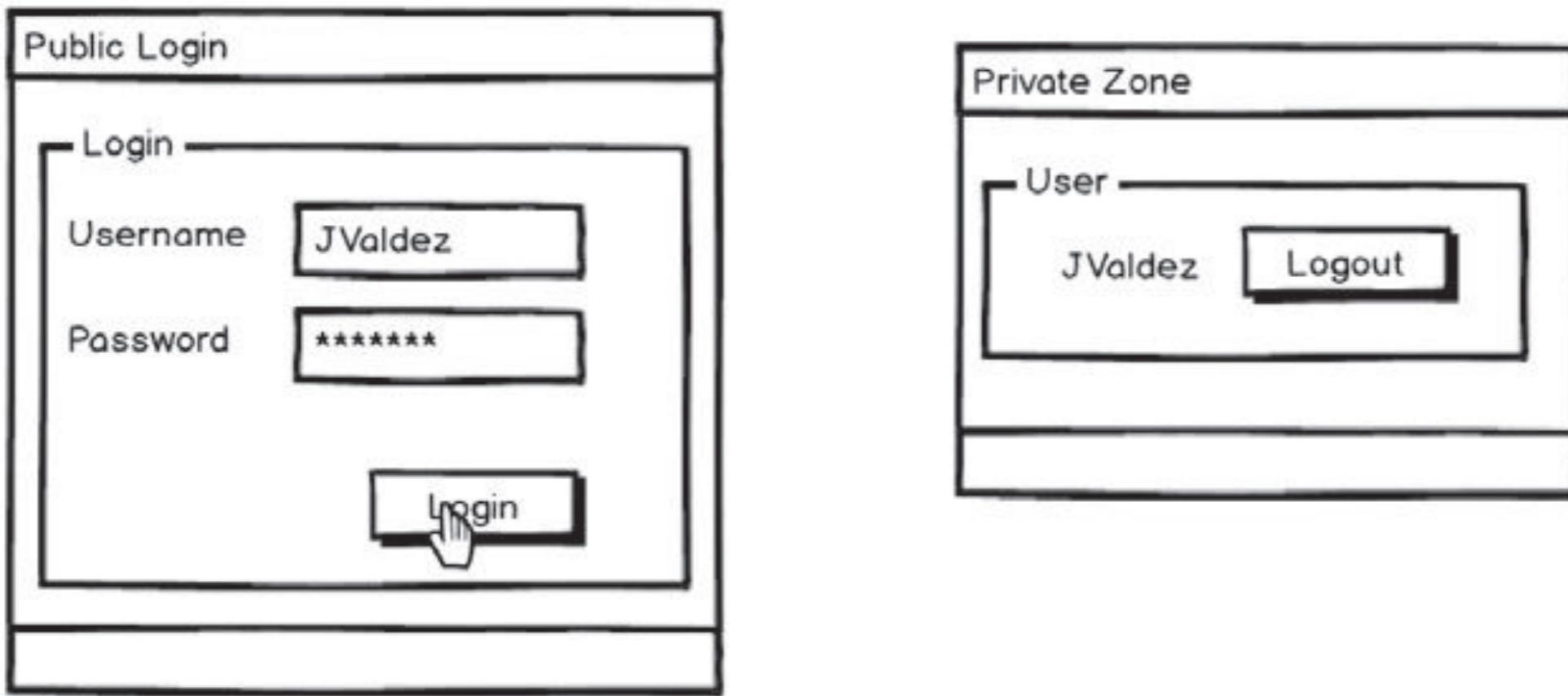


FIGURE 8.37

Example of the login pattern with an explicit destination ViewContainer.

8.7.5 PATTERN IA-ROLE: USER ROLE DISPLAY AND SWITCHING

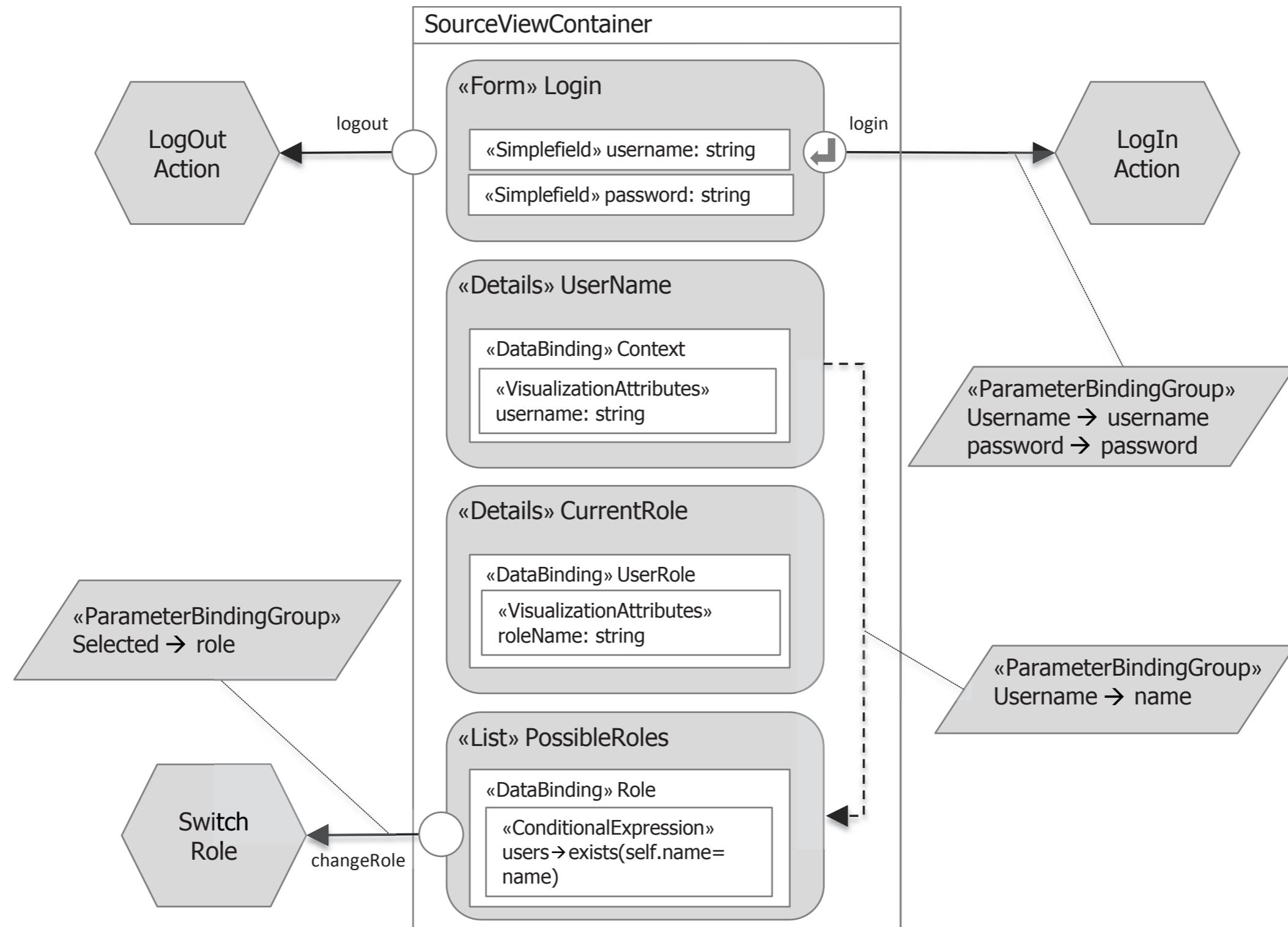
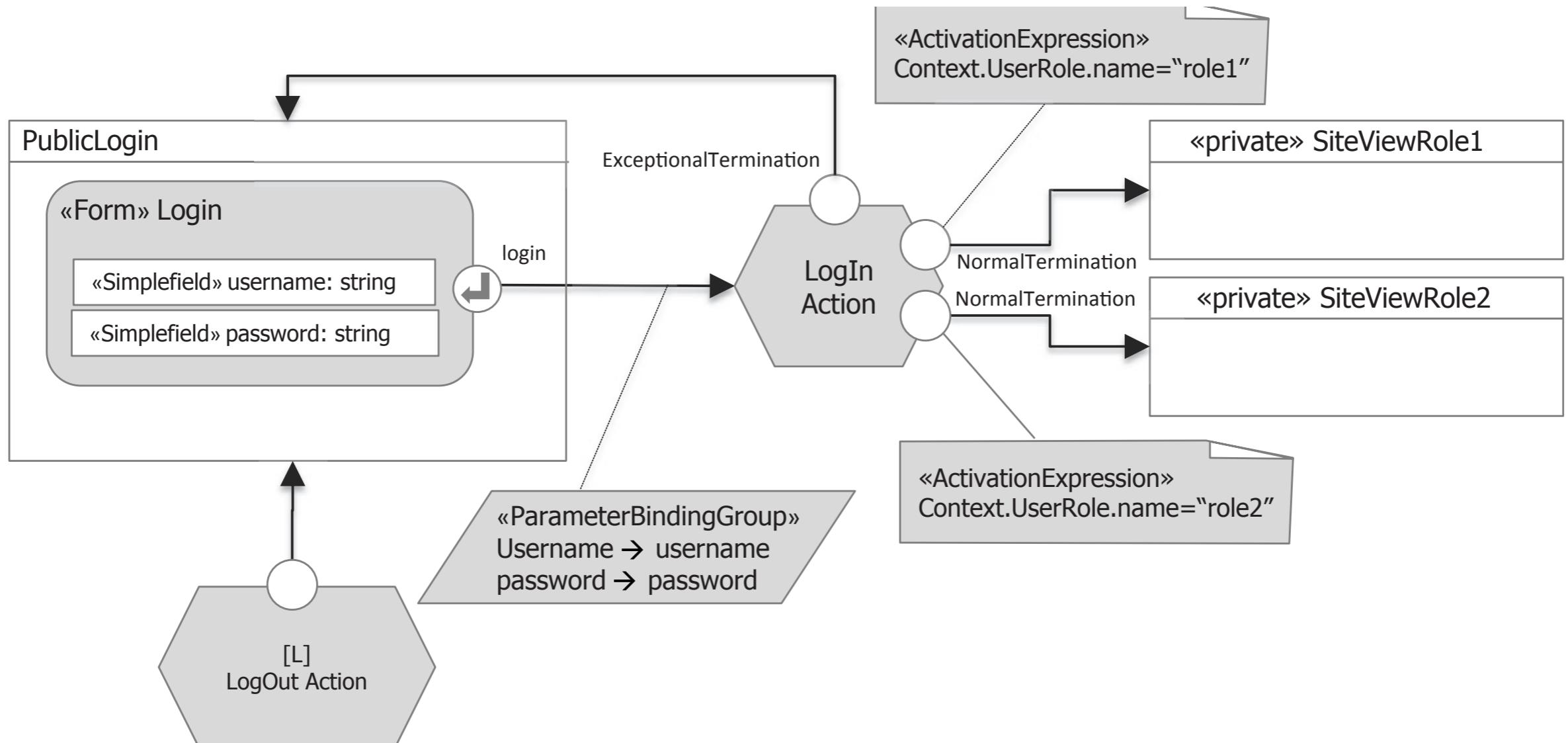


FIGURE 8.38

Example of role switching pattern.

8.7.6 PATTERN IA-RBP: ROLE-BASED PERMISSIONS FOR VIEW ELEMENTS



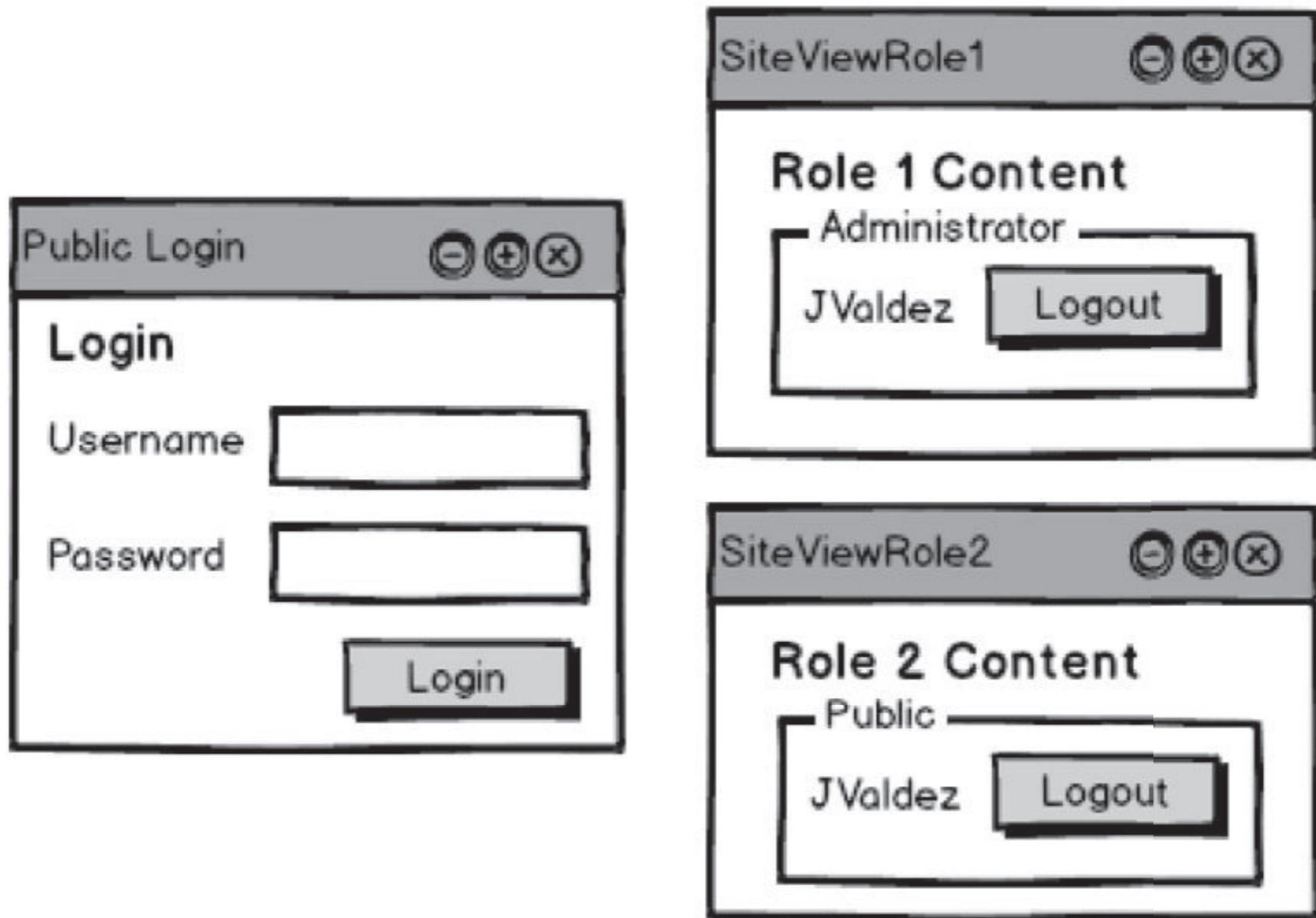


FIGURE 8.39

Example of the role-based access control pattern applied to the pages of a web application.

8.7.7 PATTERN IA-NRBP: NEGATIVE ROLE-BASED PERMISSIONS FOR VIEW ELEMENTS

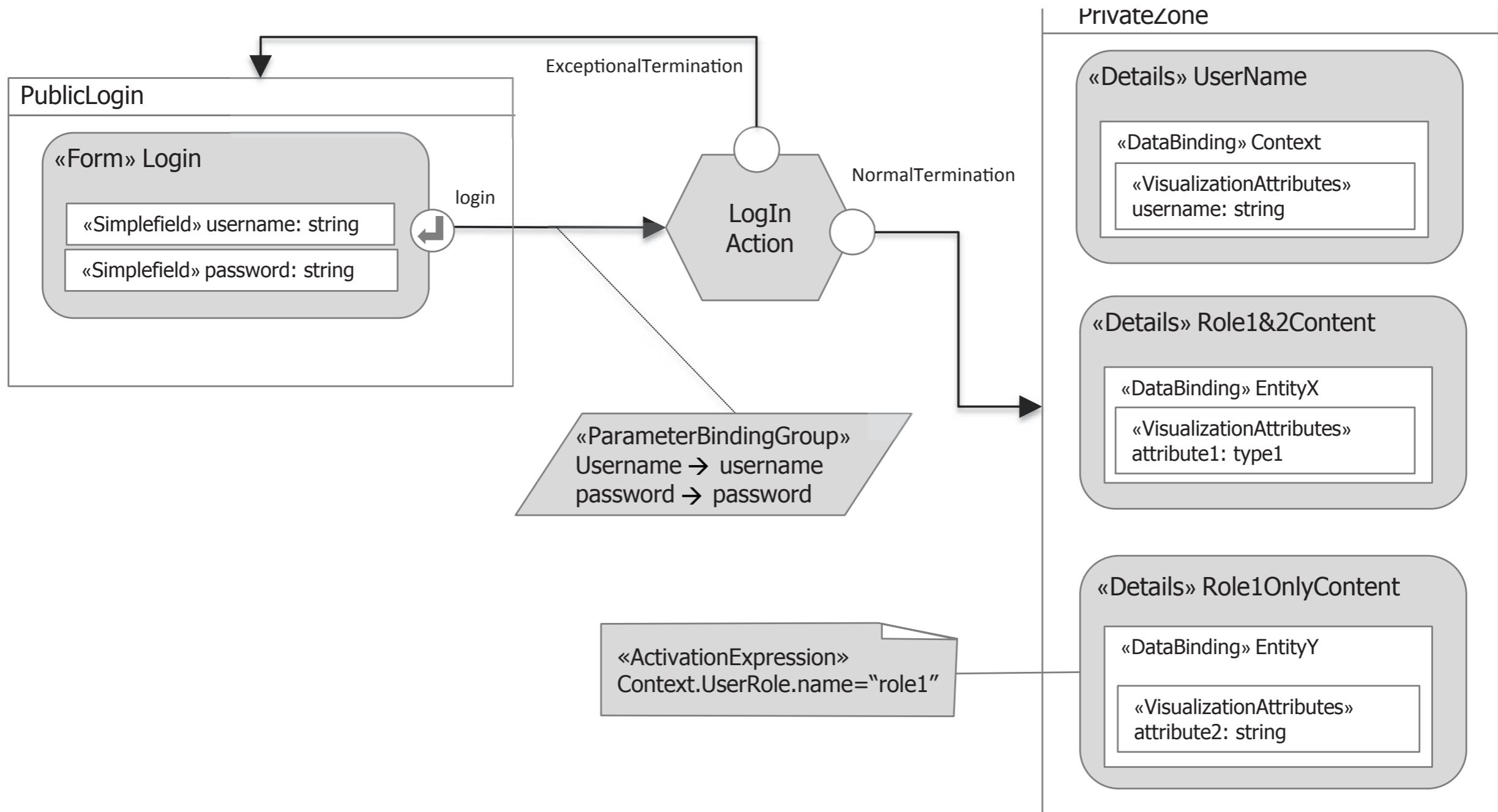
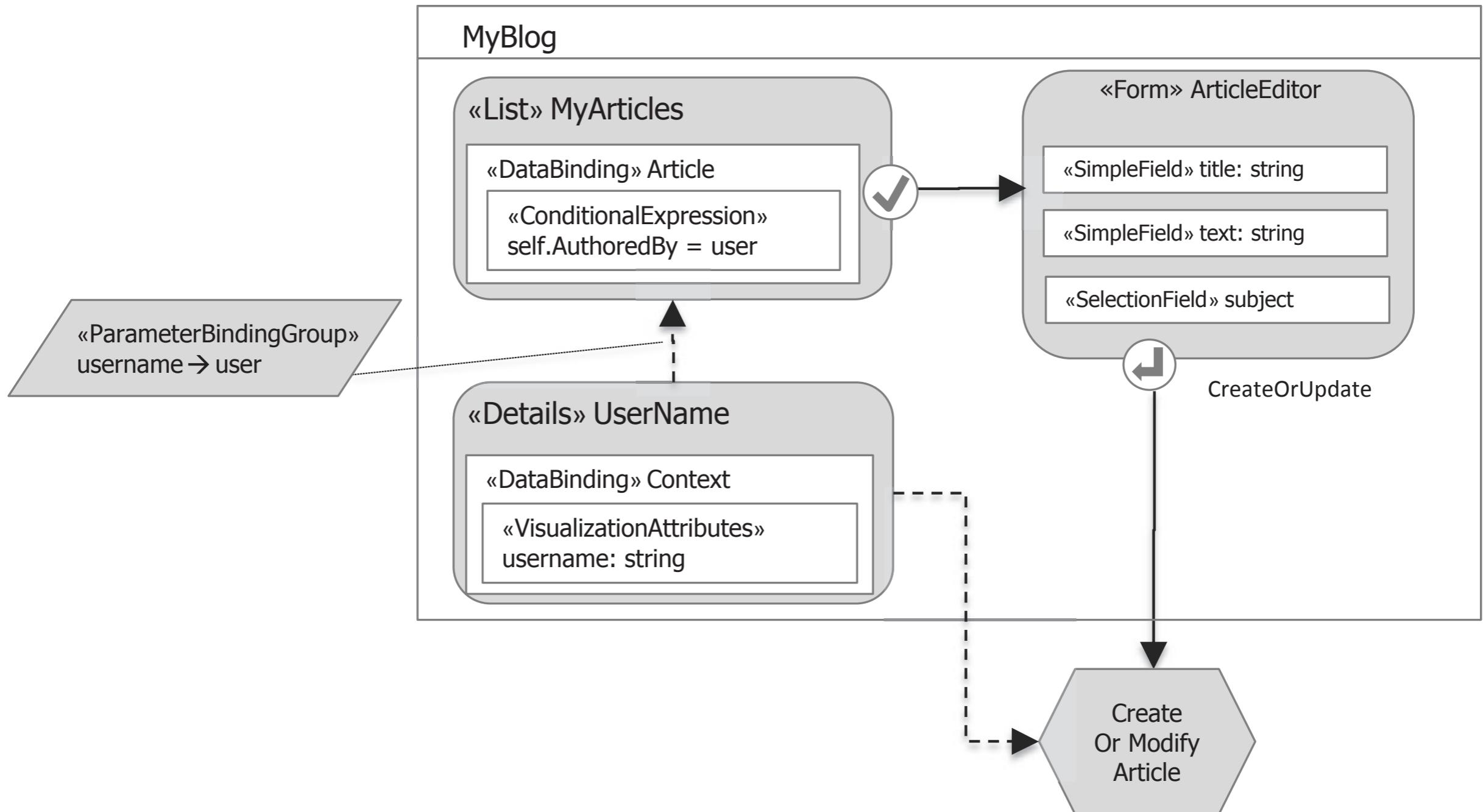


FIGURE 8.40

Role-based access control over ViewElements with denial conditions.

8.7.8 PATTERN IA-OBP: OBJECT-BASED PERMISSIONS



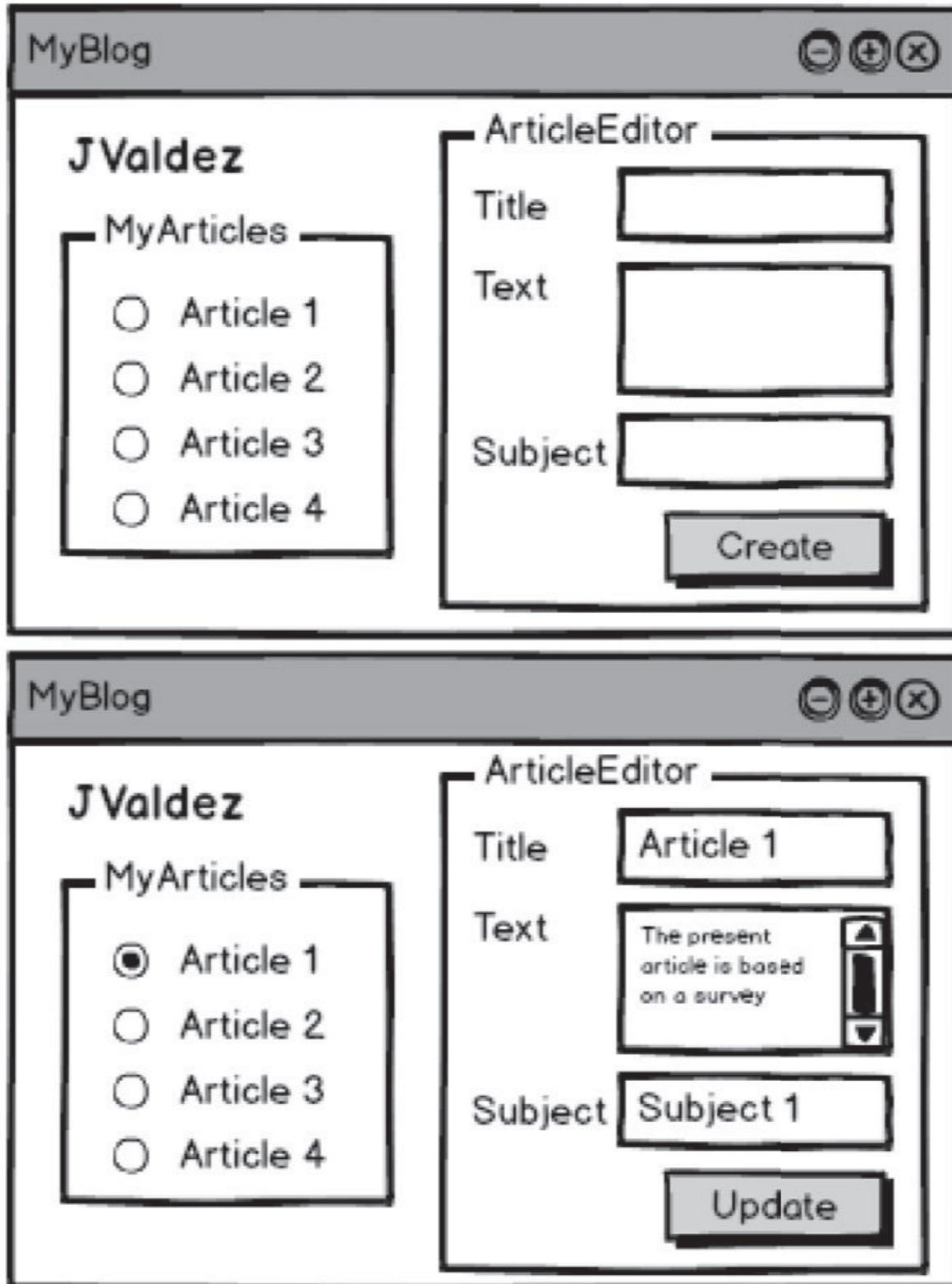
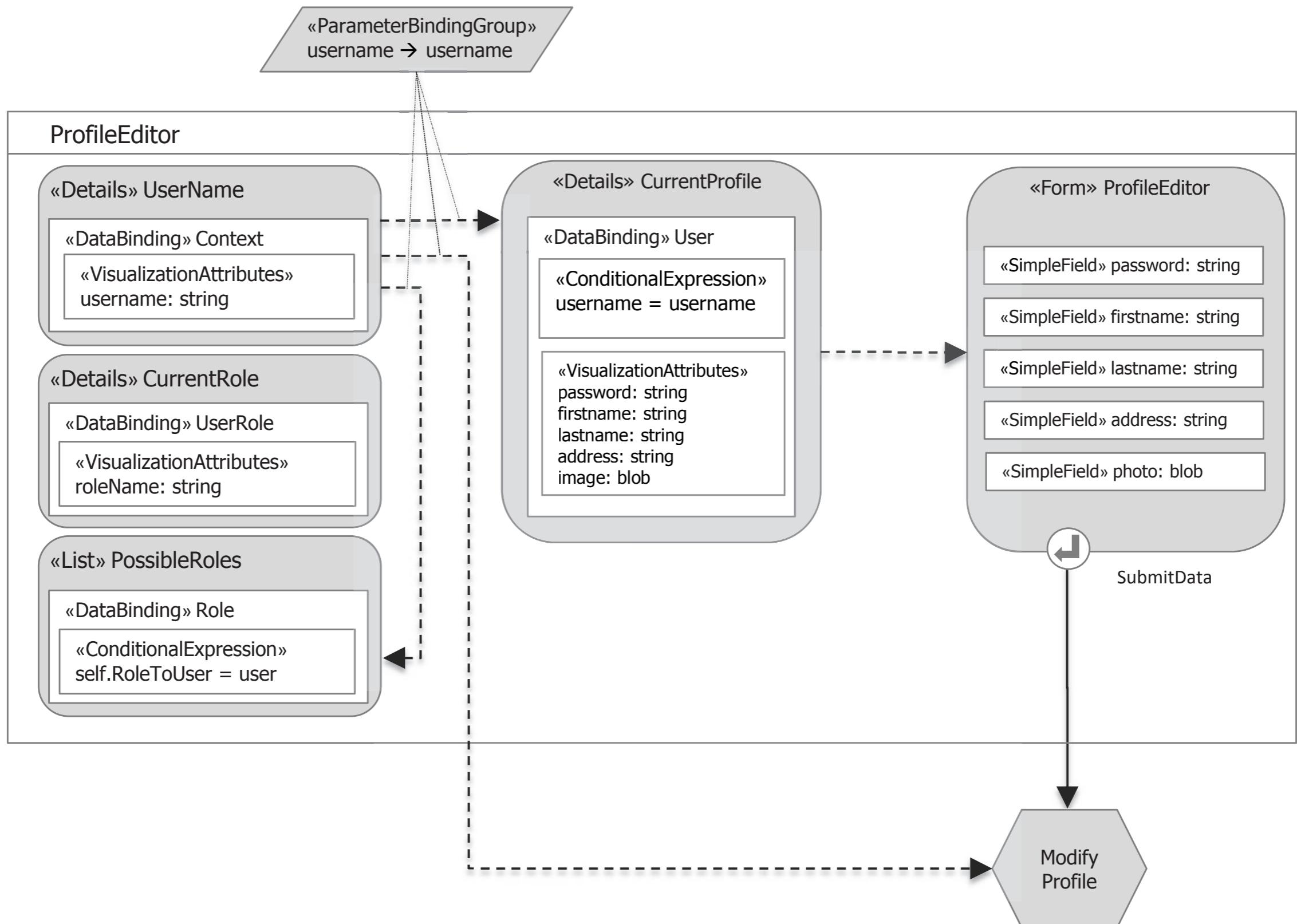


FIGURE 8.41

Example of the access control pattern applied to content objects.

8.7.9 PATTERN IA-PRO: USER PROFILE DISPLAY AND MANAGEMENT



ProfileEditor

J Valdez

Role 1

Possible Roles

Role 1

Role 2

Role 3

Current Profile

Password *****

First Name Juan

Last Name Valdez

Address Via Chia, 3

Photo Image.png

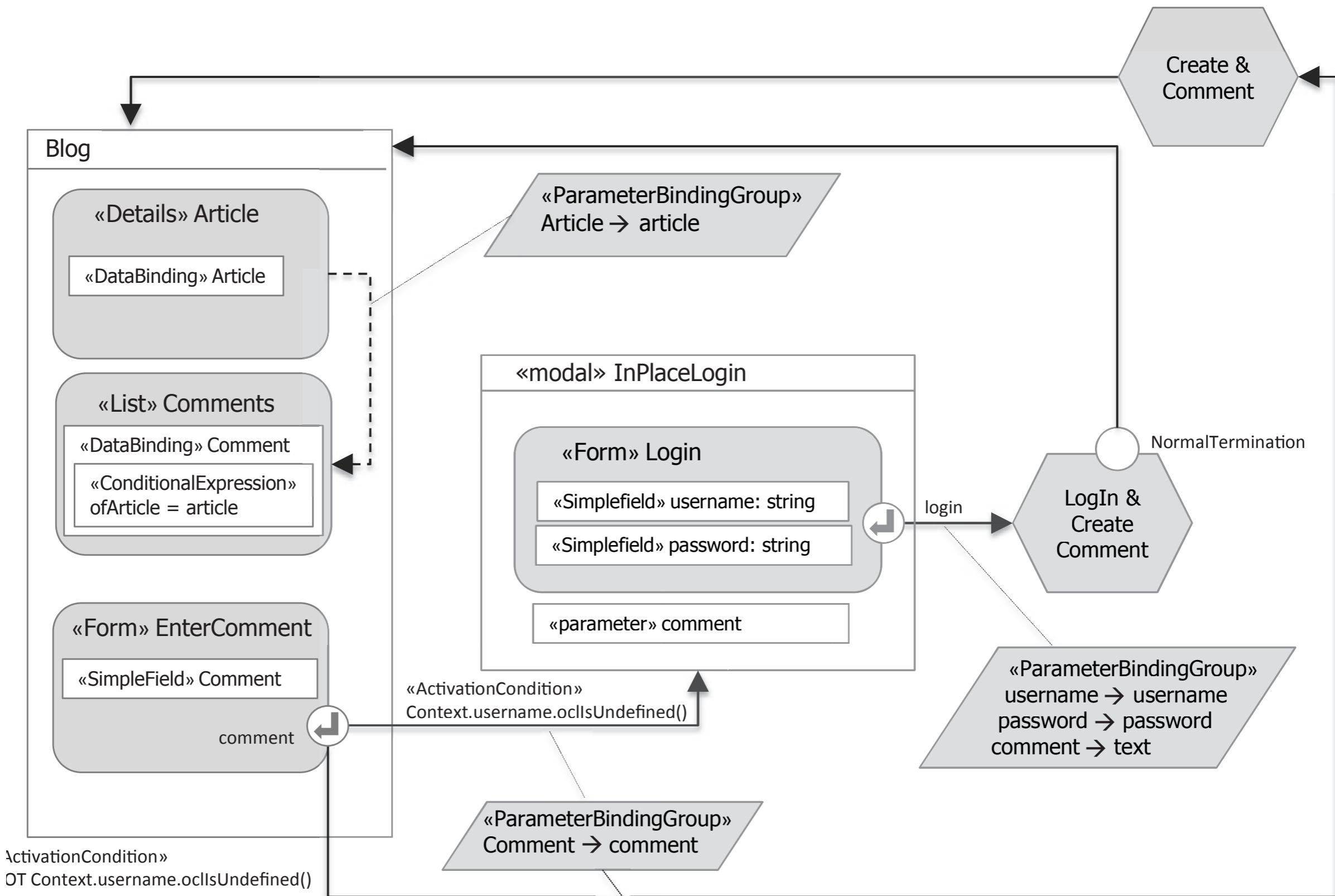
Submit

The screenshot shows a window titled 'ProfileEditor'. On the left, there's a display area with the name 'J Valdez' and 'Role 1'. Below that is a group of three radio buttons labeled 'Role 1', 'Role 2', and 'Role 3', with 'Role 1' being selected. To the right is a form titled 'Current Profile' containing fields for Password (with five asterisks), First Name (Juan), Last Name (Valdez), Address (Via Chia, 3), and Photo (Image.png). A 'Submit' button is at the bottom of the form. The window has standard OS X-style controls (minimize, maximize, close) at the top right.

FIGURE 8.42

Example of profile display and editing.

8.7.10 PATTERN IA-IPSI: IN-PLACE SIGN-IN



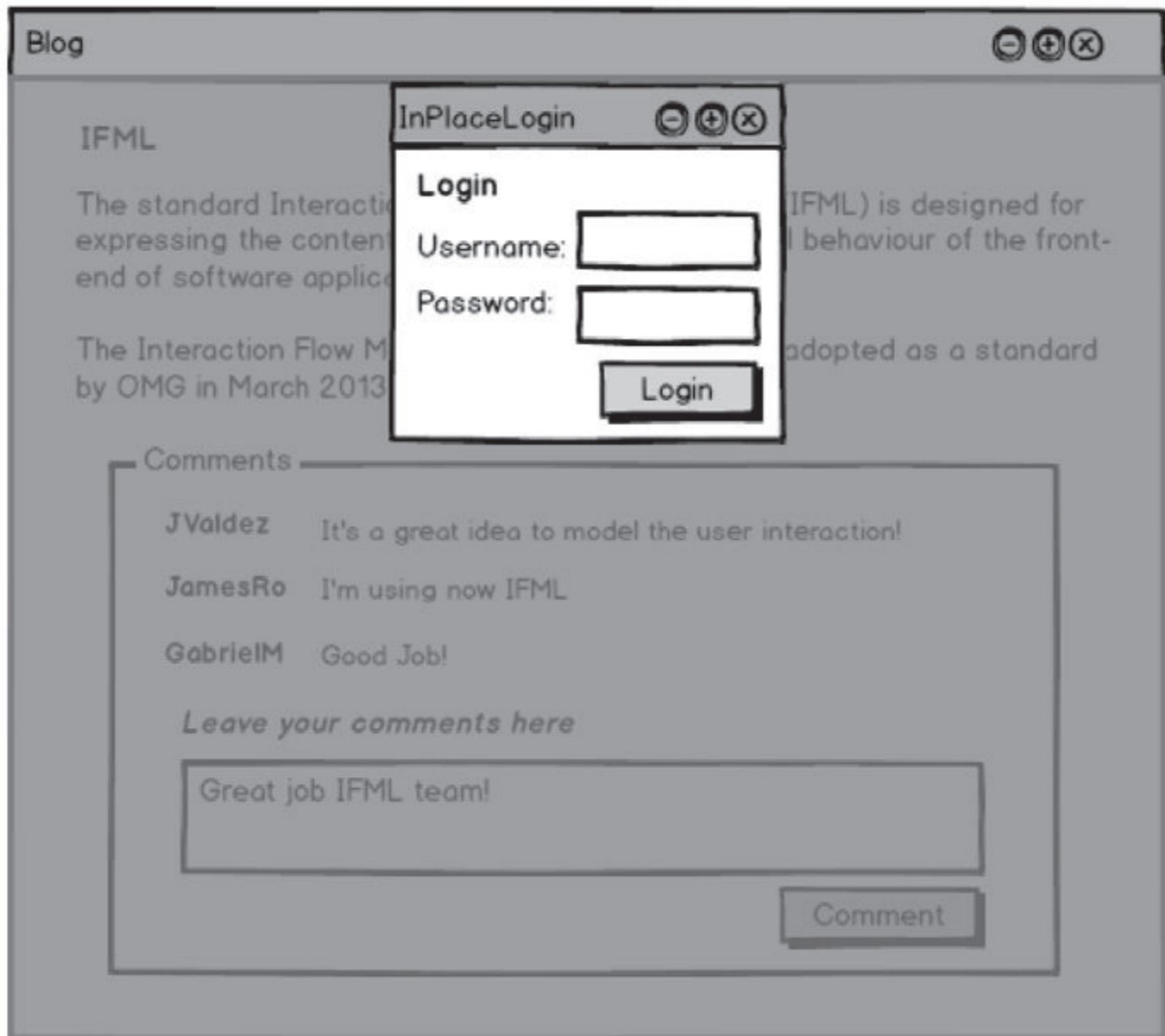
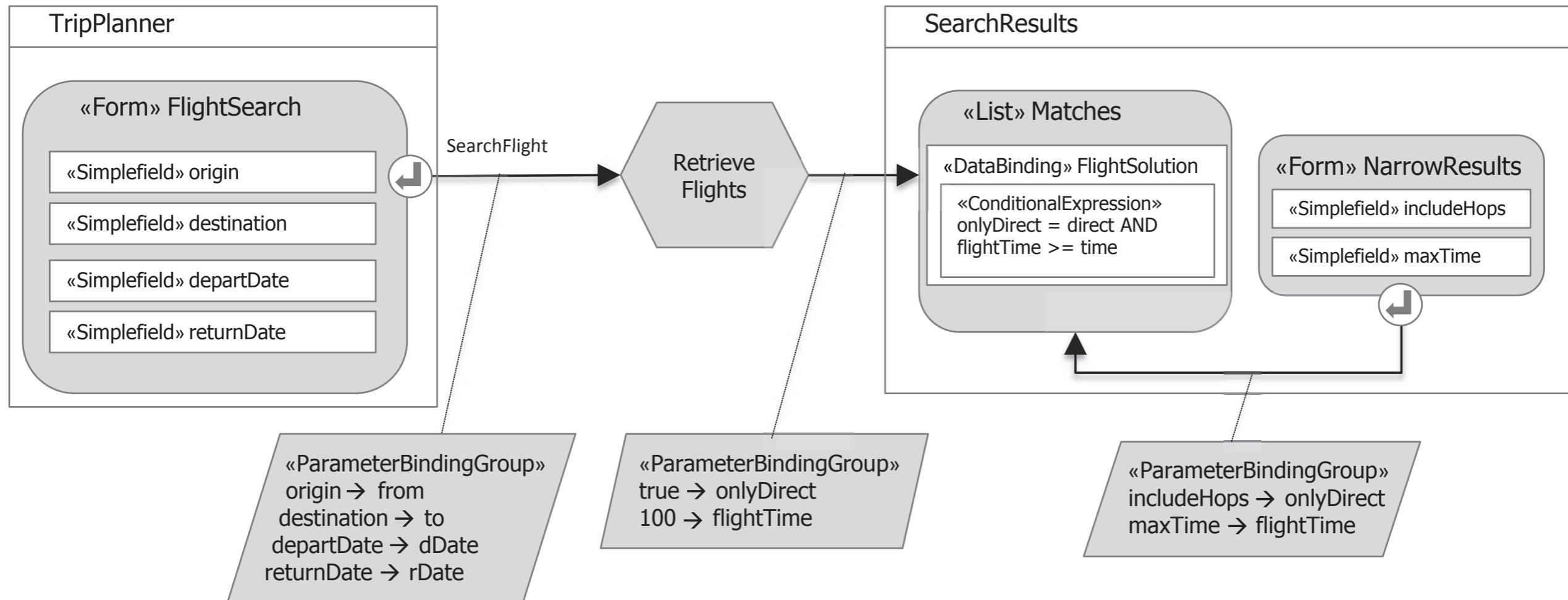


FIGURE 8.43

Example of the in-place sign-in pattern.

8.8 SESSION DATA

8.8.1 PATTERN SES-CR: CREATING SESSION DATA FROM PERSISTENT DATA



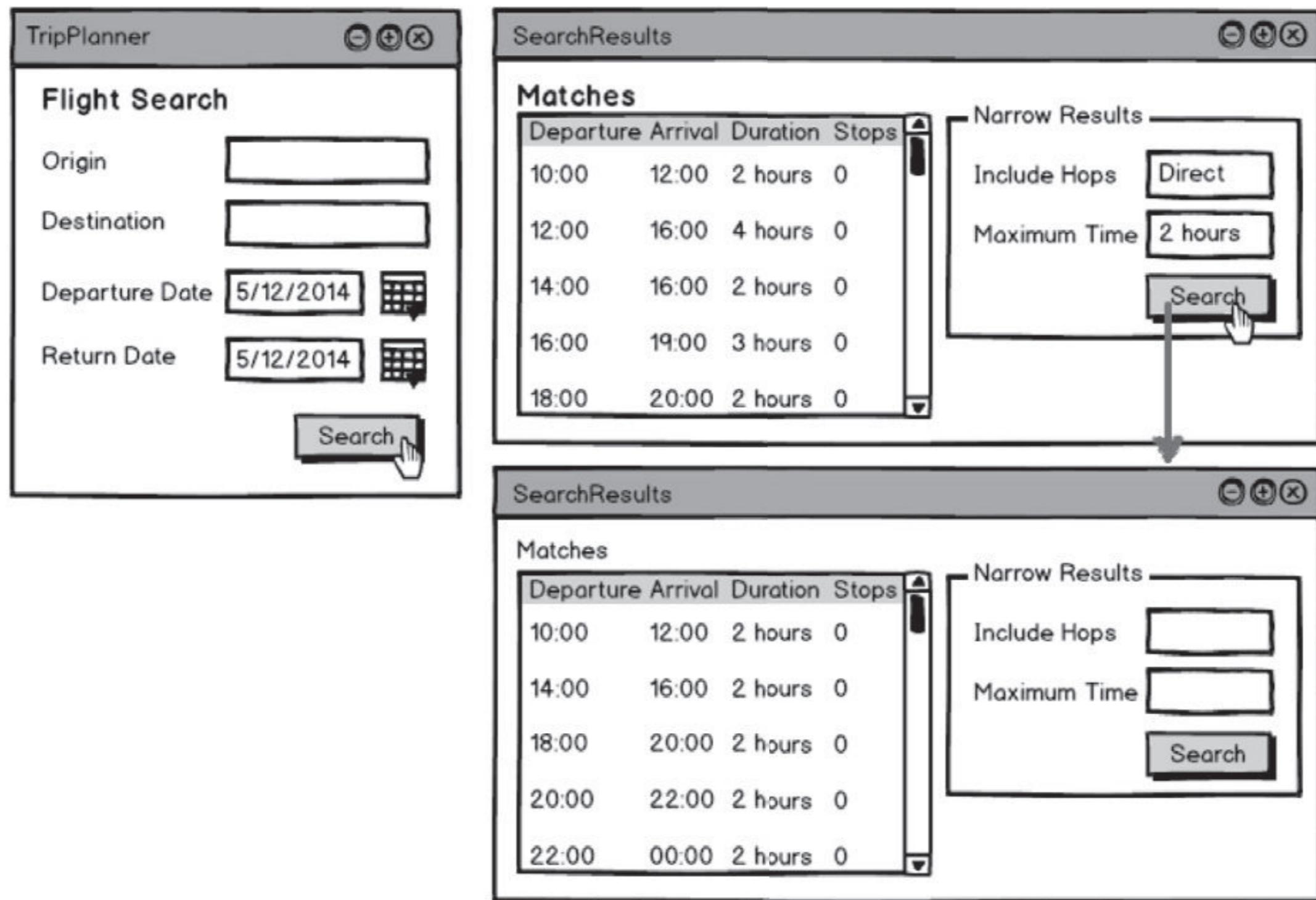
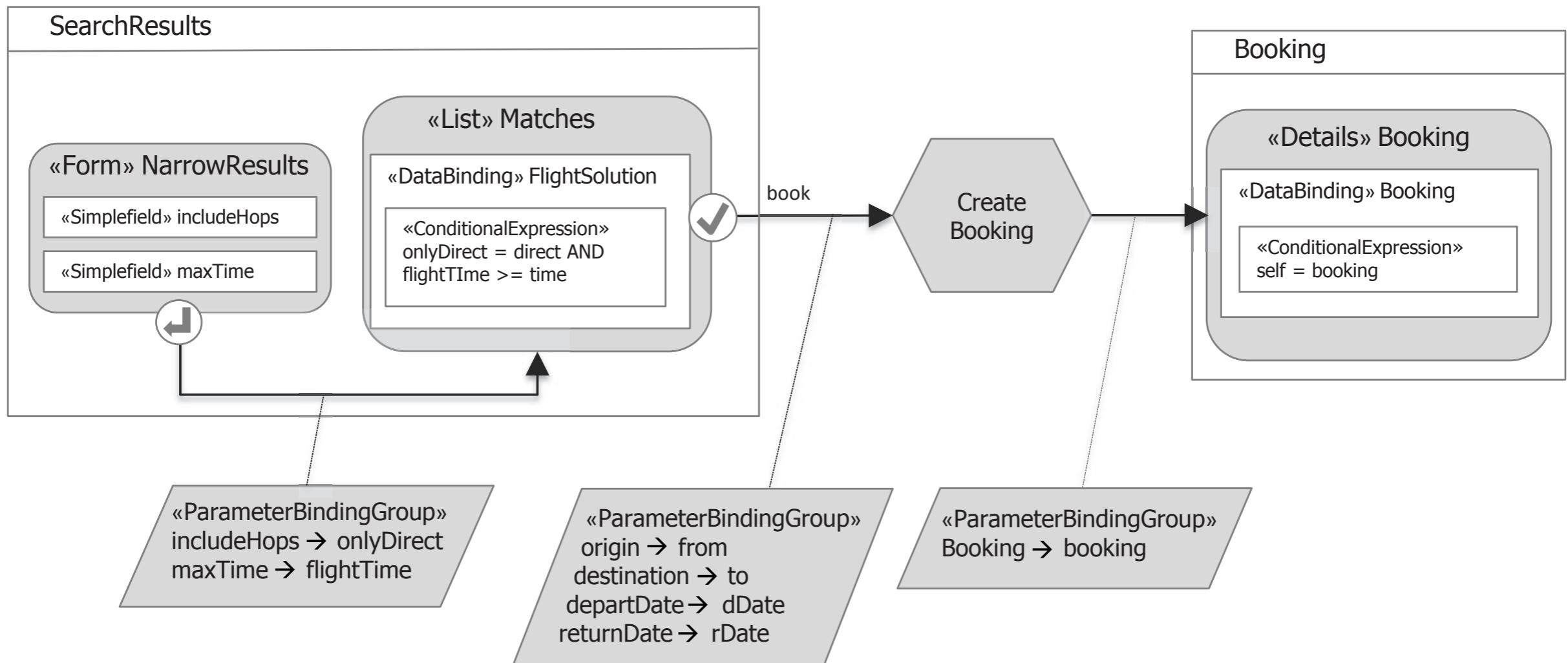


FIGURE 8.44

Example of session data creation from persistent data.

8.8.2 PATTERN SES-PER: PERSISTING SESSION DATA



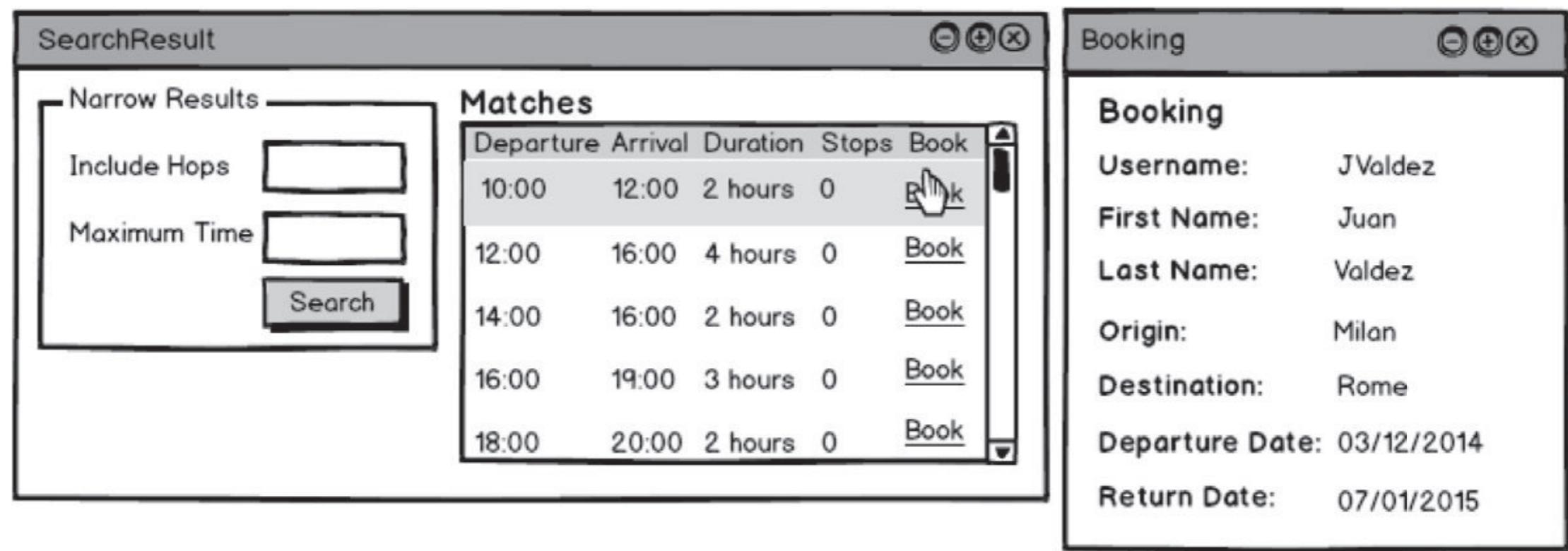
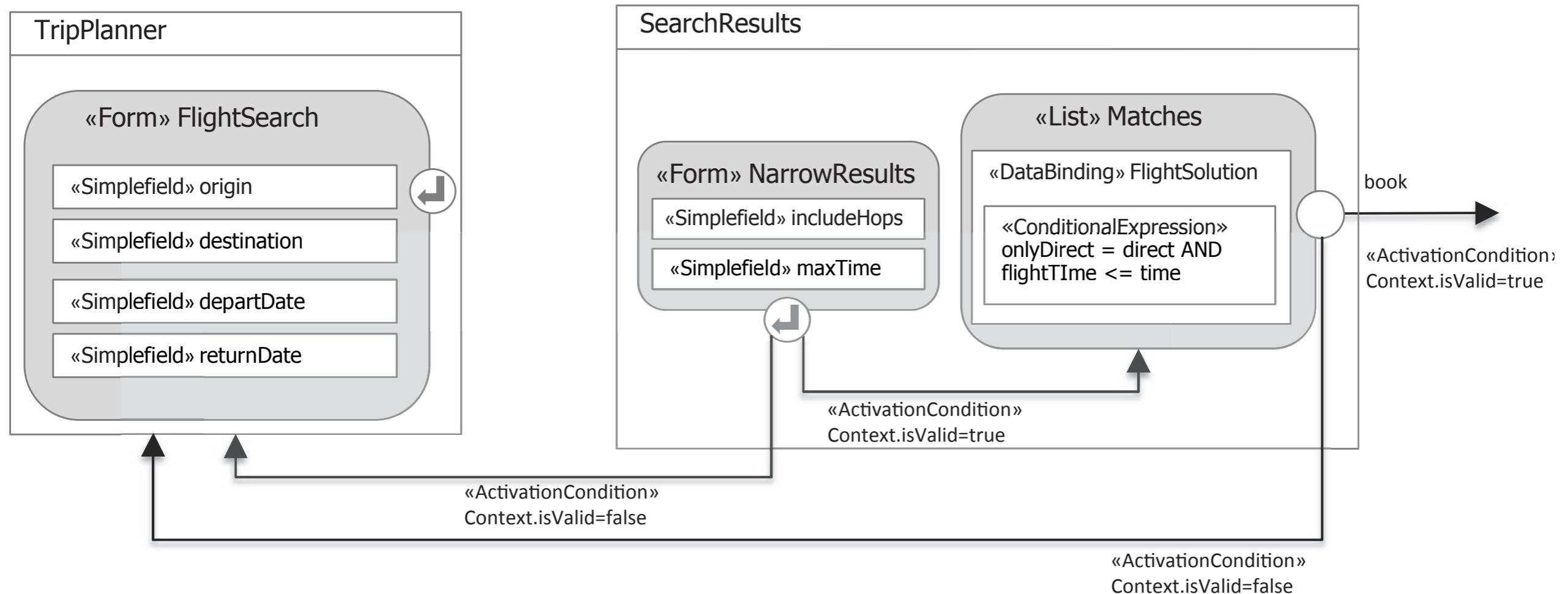


FIGURE 8.45

Example of the pattern for persisting session data.

8.8.3 PATTERN SES-EXC: SESSION DATA EXPIRATION CATCHING



The figure consists of four screenshots arranged in a 2x2 grid, showing the progression of a search session.

Top Left: A "SearchResults" window titled "Matches". It displays a table of flight results with columns: Departure, Arrival, Duration, Stops, and Book. The results are: 10:00, 12:00, 2 hours, 0, Book; 12:00, 16:00, 4 hours, 0, Book; 14:00, 16:00, 2 hours, 0, Book; 16:00, 19:00, 3 hours, 0, Book; 18:00, 20:00, 2 hours, 0, Book. To the right is a "Narrow Results" panel with "Include Hops" set to "Direct" and "Maximum Time" set to "2". A "Search" button is highlighted with a cursor.

Top Right: A "TripPlanner" window titled "Flight Search". It shows fields for "Origin" and "Destination", both currently empty. Below are "Departure Date" (5/12/2014) and "Return Date" (5/12/2014), each with a calendar icon. A "Search" button is at the bottom.

Bottom Left: The same "SearchResults" window as the top left, showing the same five flight matches. The "Narrow Results" panel is identical, with the "Search" button still highlighted.

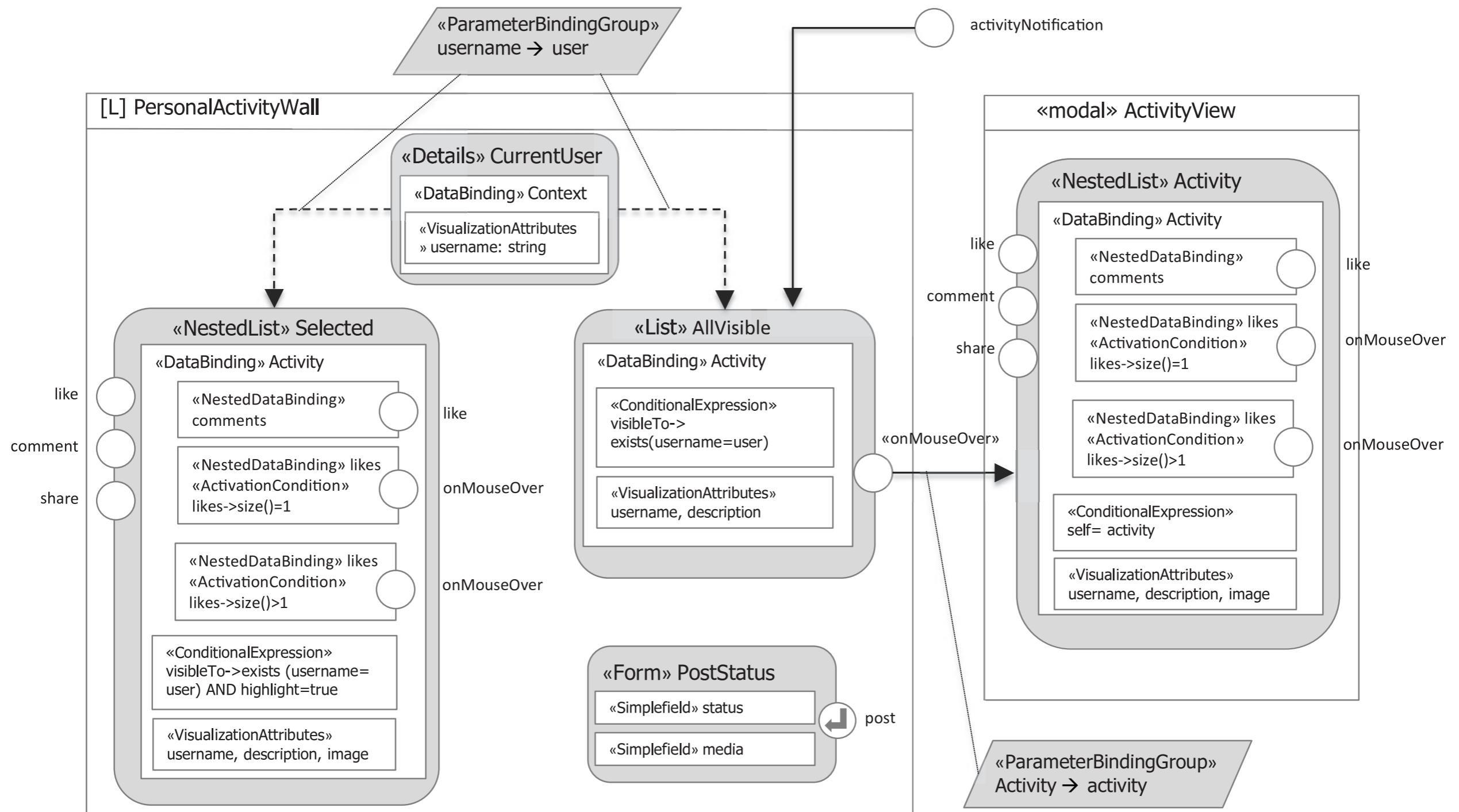
Bottom Right: The same "SearchResults" window as the top left. The first result (10:00, 12:00) now has a "Book" button replaced by a "Booked" button with a checkmark. The "Narrow Results" panel is identical to the others.

FIGURE 8.46

Example of lazy management of session expiration.

8.9 SOCIAL FUNCTIONS

8.9.1 PATTERN SOC-AW: ACTIVITY WALL



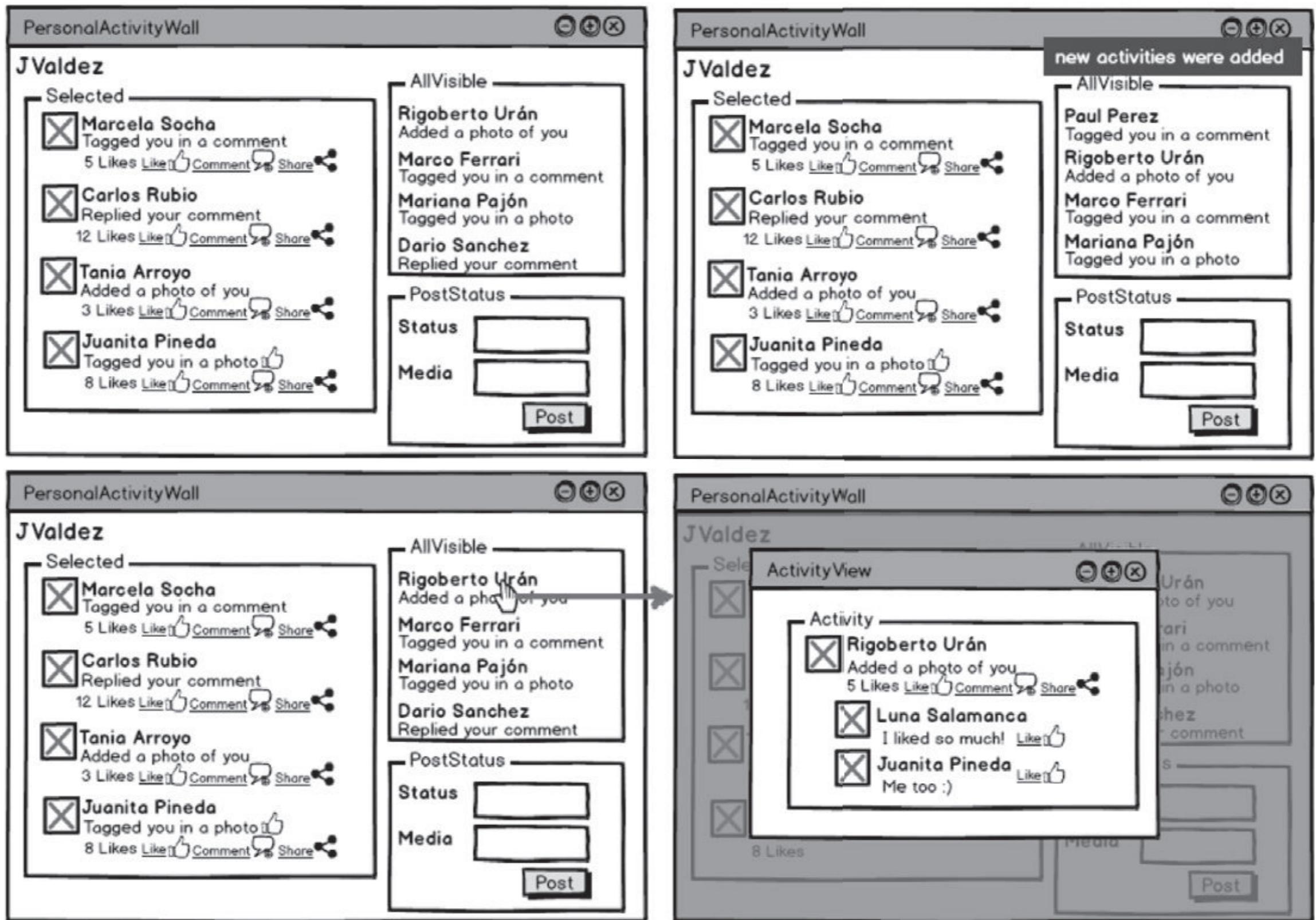
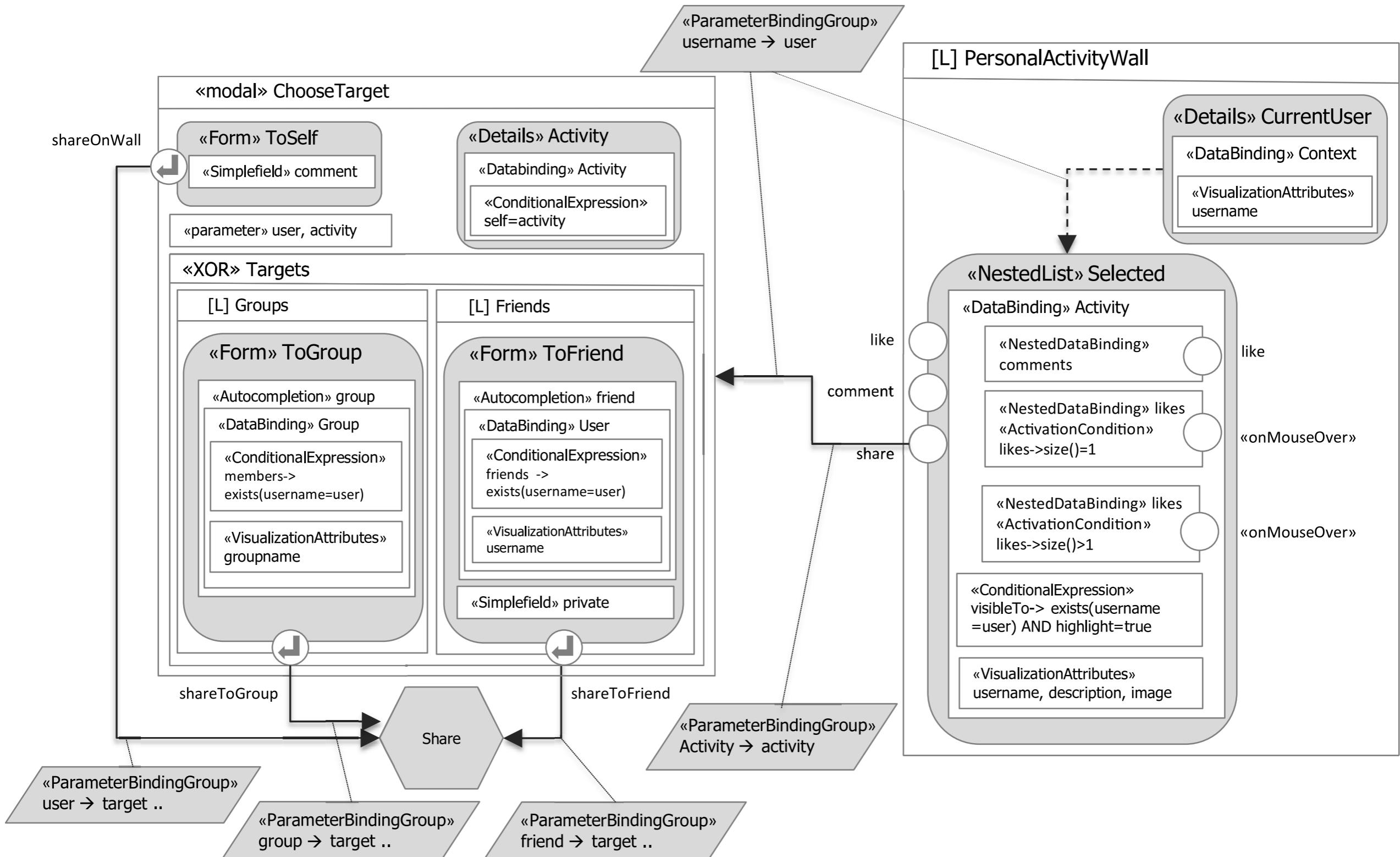


FIGURE 8.47

Example of the activity wall pattern.

8.9.2 PATTERN SOC-SH: SHARING, LIKING, AND COMMENTING



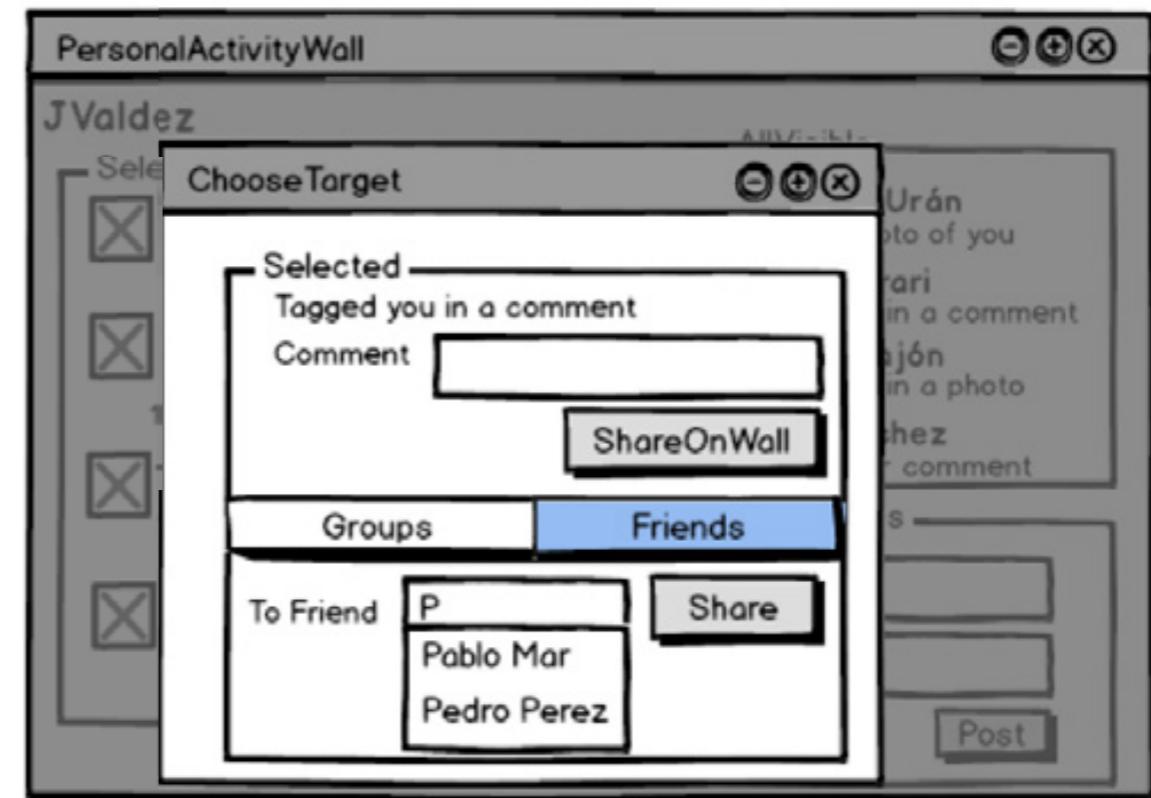
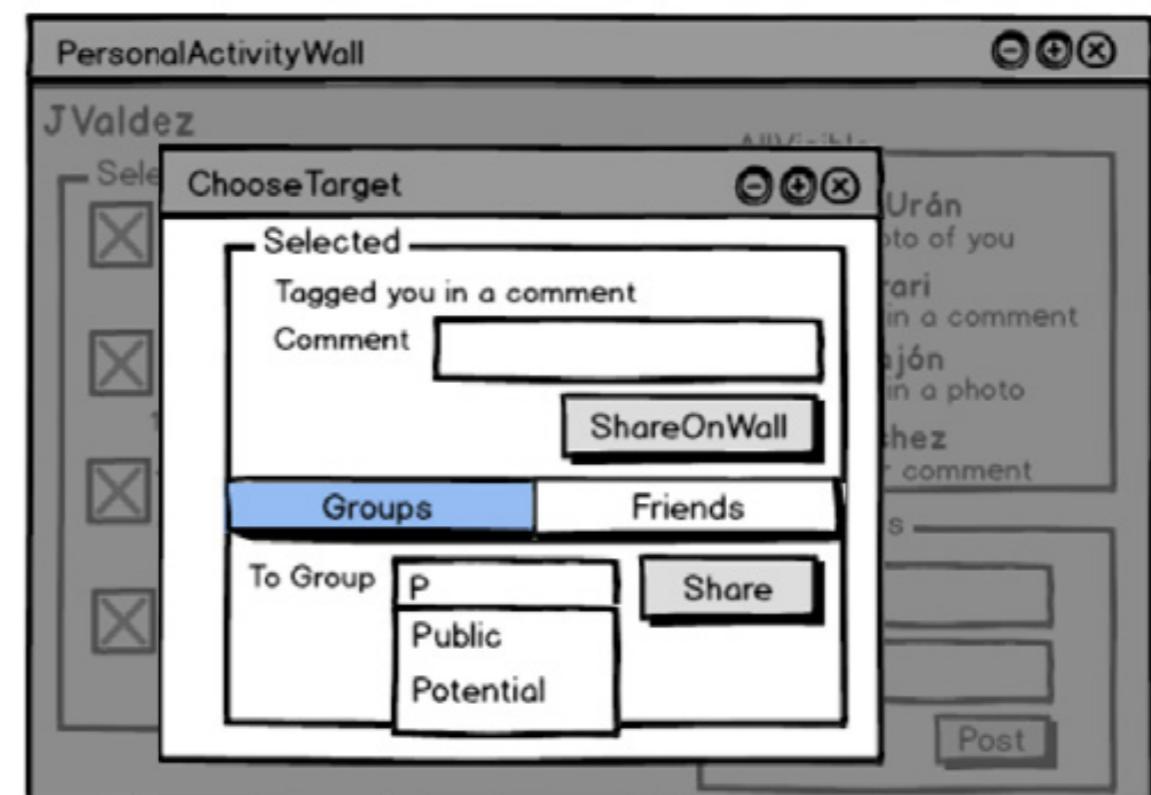
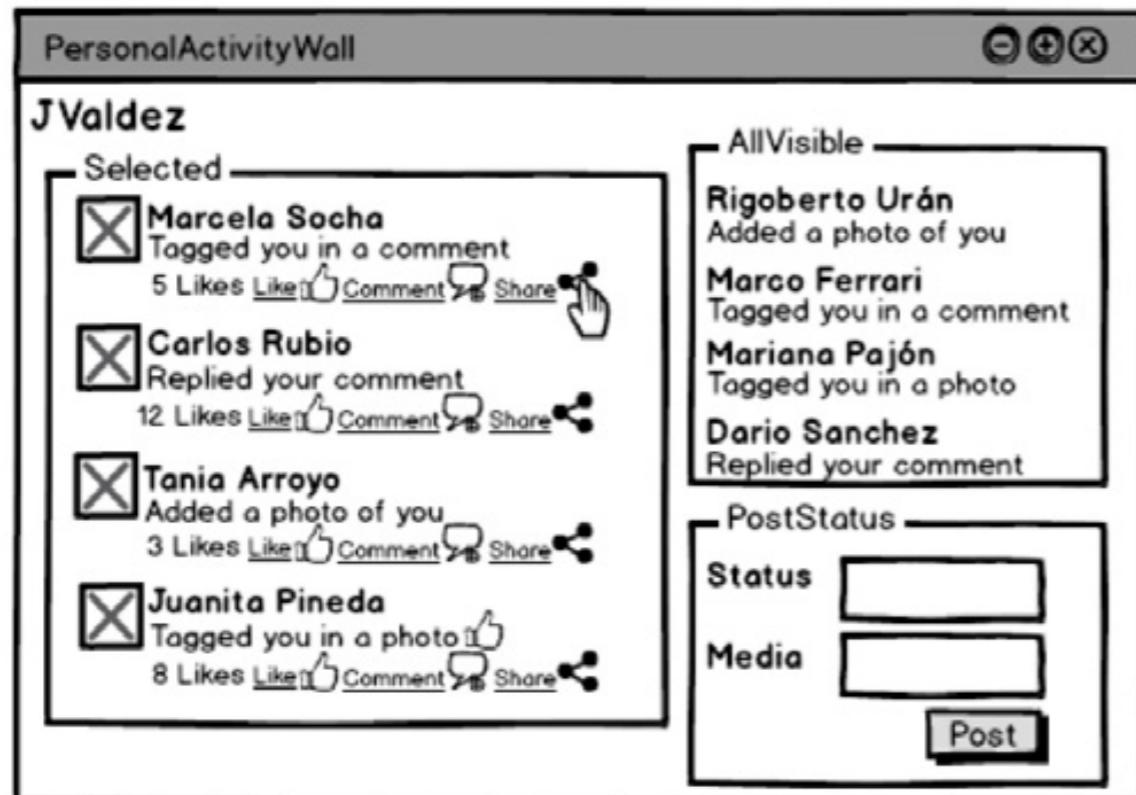
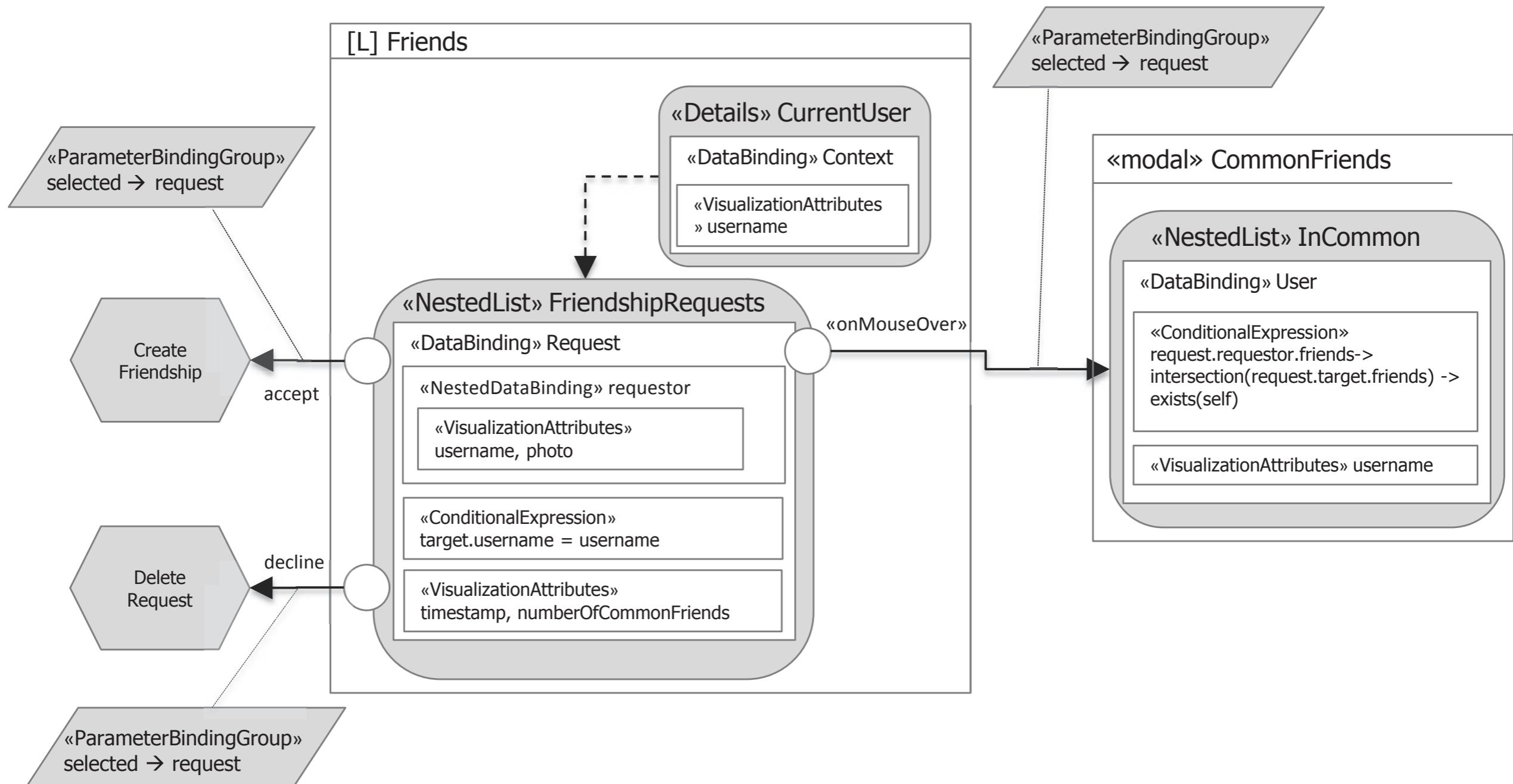


FIGURE 8.48

Example of the sharing pattern.

8.9.3 PATTERN SOC-FR: FRIENDSHIP MANAGEMENT



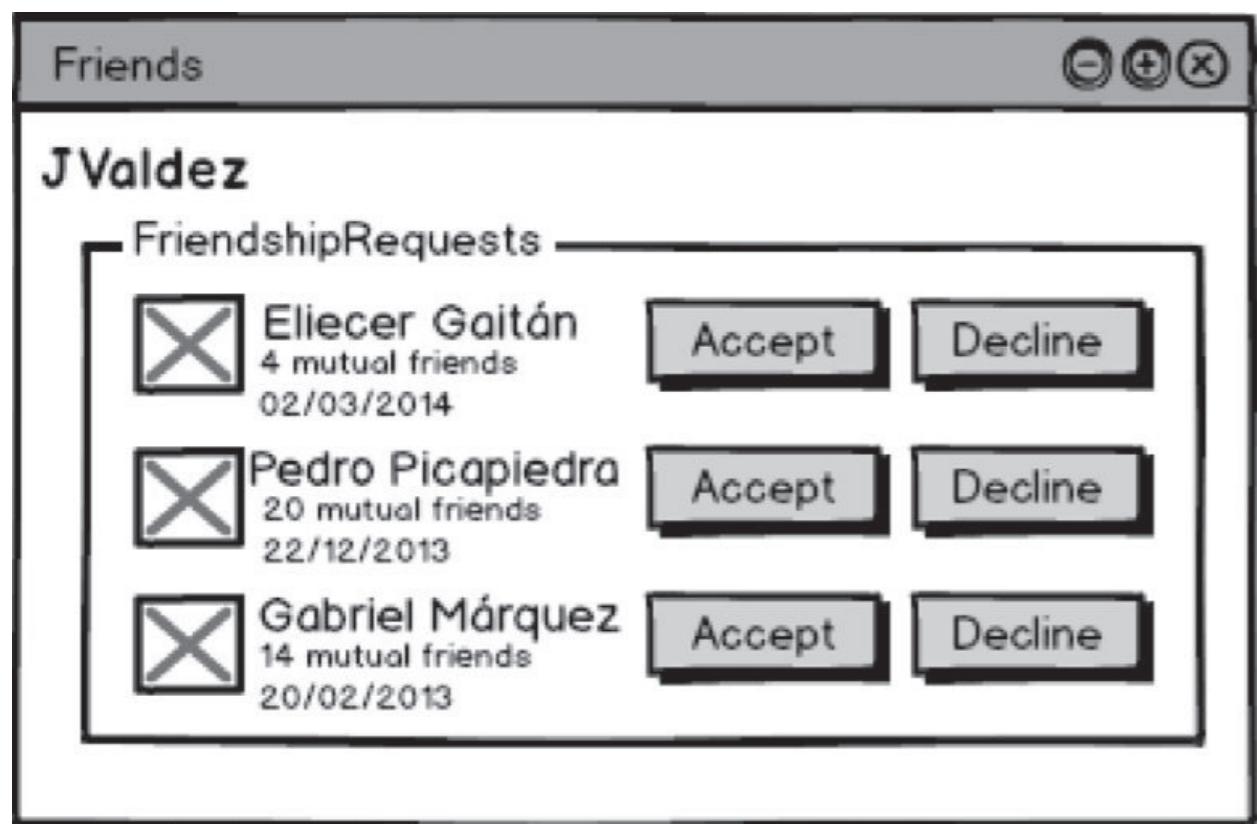
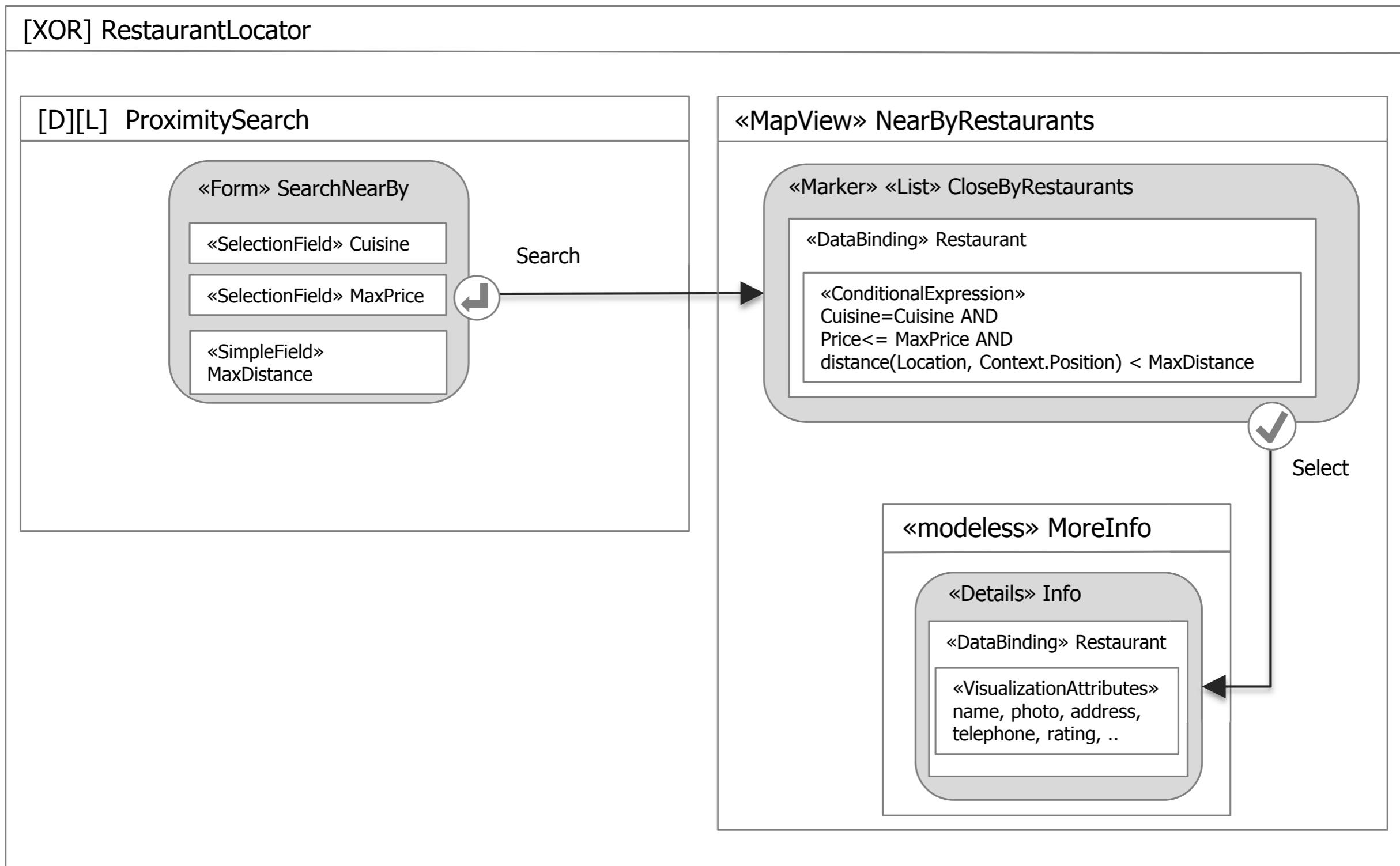


FIGURE 8.49

Example of the friendship management pattern.

8.10 GEO PATTERNS

8.10.1 PATTERN GEO-LAS: LOCATION-AWARE SEARCH



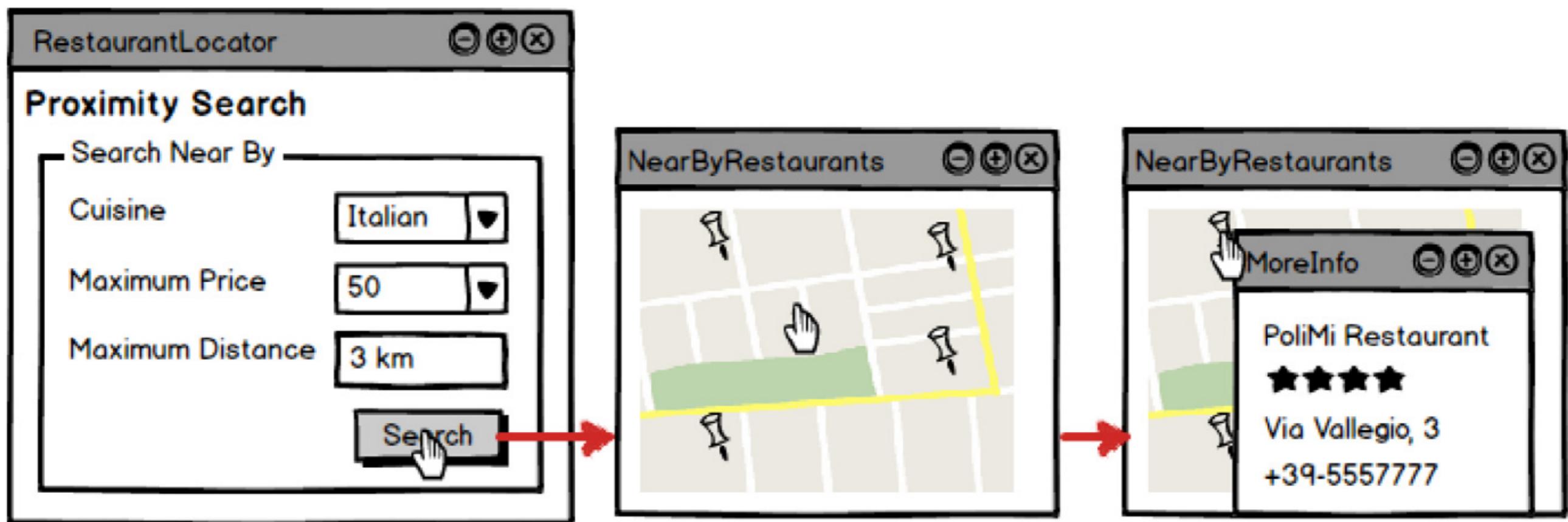


FIGURE 8.50

The location-aware search pattern.