

Sprint Review #1

# PROJECT **MANAGEMENT** **SYSTEM**

Group 4  
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# OVERVIEW

Sprint Goal | Objective

Project Contextualization | Work Methodology

Domain Model

User Stories | Class Diagram & Sequence Diagram

Demo

Summary

# SPRINT GOAL

## Requirements Engineering



- Glossary
- Use-Case (UC) Text
- System Sequence Diagram (SSD)
- Use-Case Diagram (UCD)
- User Stories (US)
- Supplementary Specification – FURPS+

## OO Analysis



- Conceptual classes
- Associations
- Attributes
- Domain model

## OO Design



- Class Diagram
- Sequence Diagrams

## Implementation



- Code
- Tests

# PROJECT CONTEXTUALIZATION



An **IT company** needs to develop a project management system for software development process (**SDP**).

The company uses **scrum** for project management.

## WORK METHODOLOGY

Requirements engineering | OO Analysis



Small groups

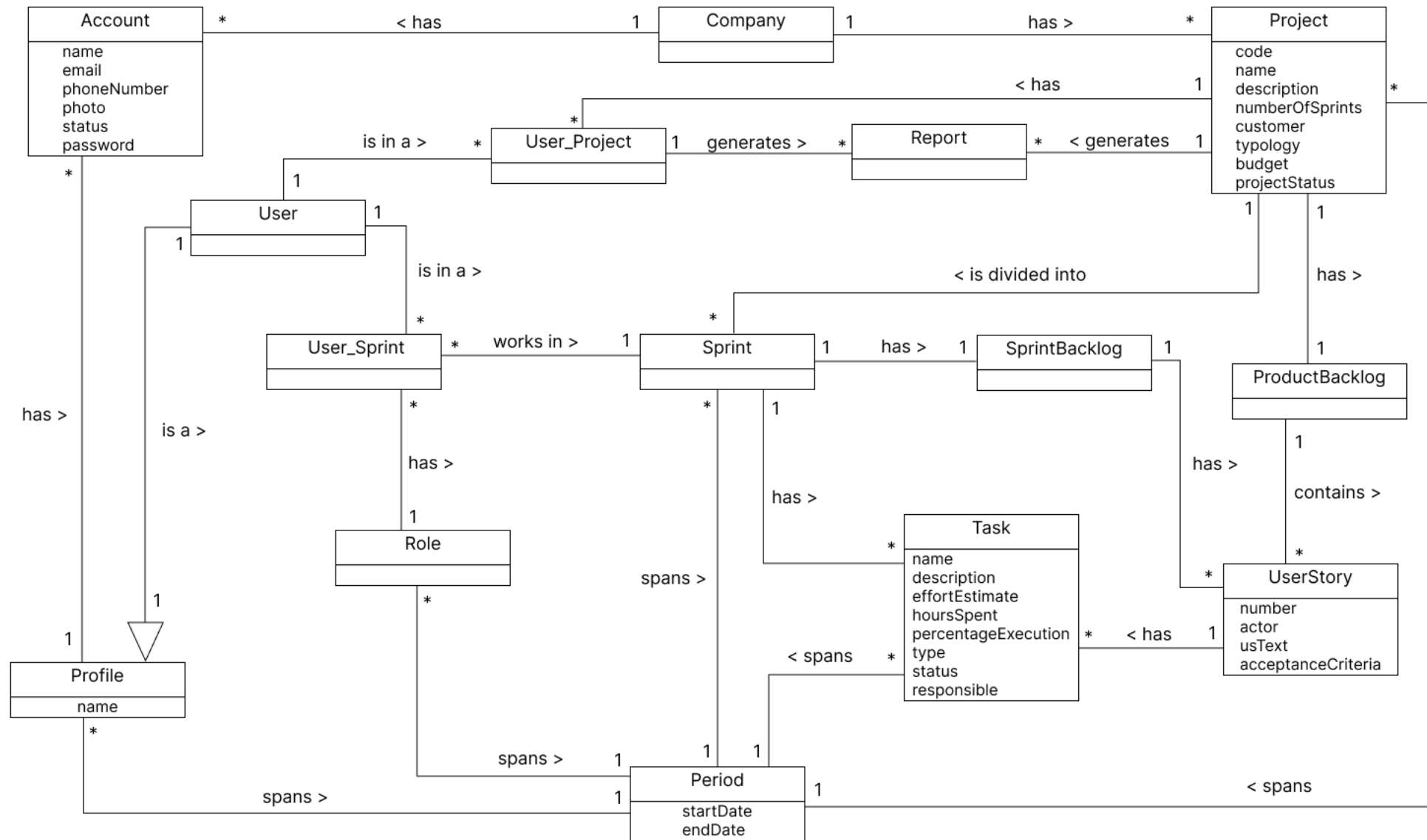
OO Design | Implementation



US/pair  
Pair programming

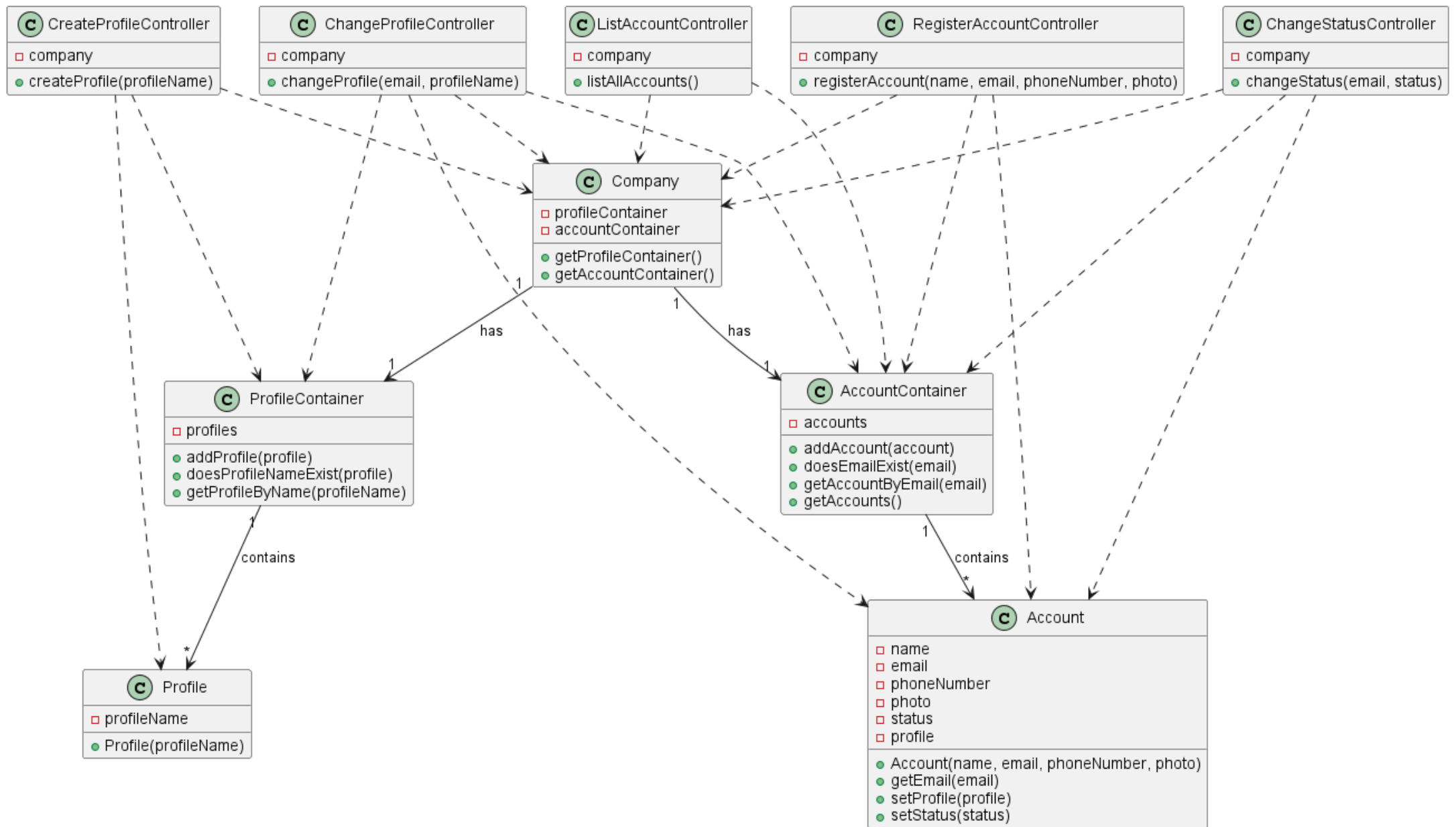
# DOMAIN **MODEL**





# CLASS **DIAGRAM**







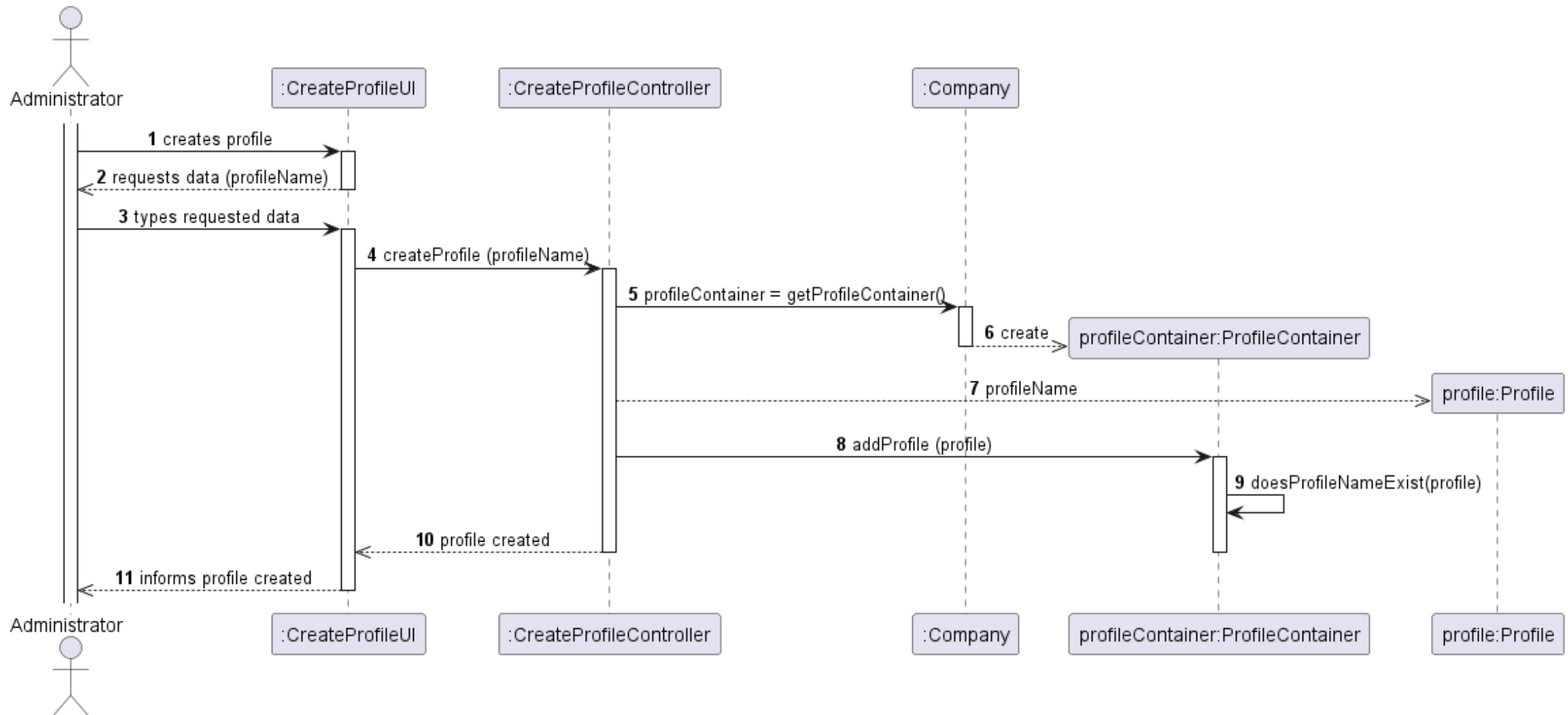
# SEQUENCE **DIAGRAM**



# US001

## TO CREATE NEW PROFILE

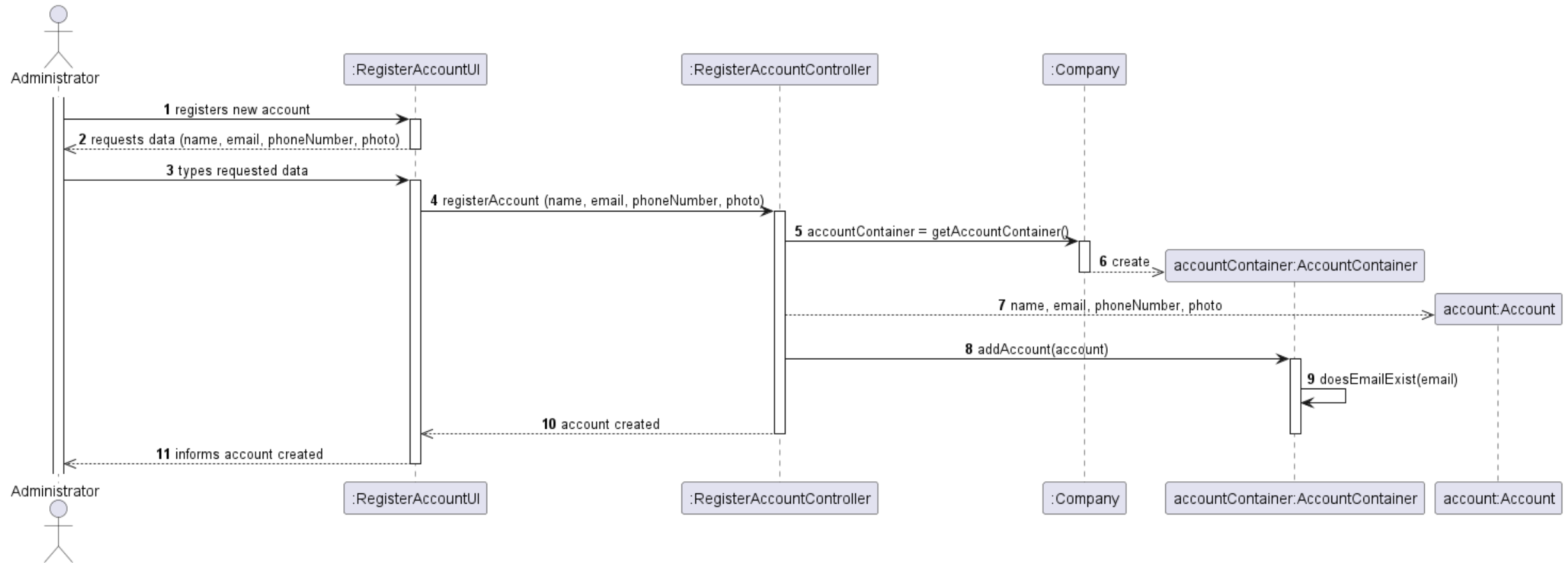
US001 - As Administrator, I want to create user profiles.



## US002

### TO REGISTER NEW ACCOUNT

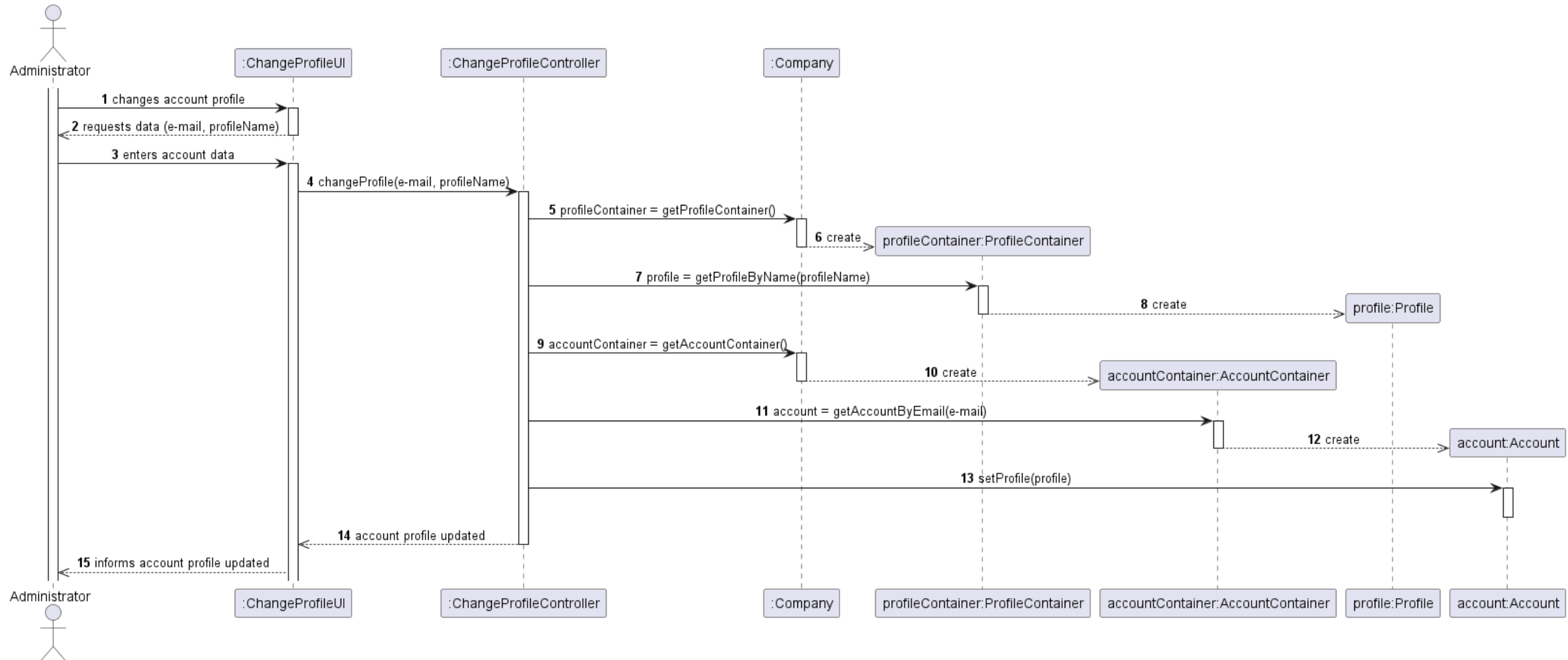
US002 - As Administrator, I want to register a user.



## US003

### TO CHANGE PROFILE

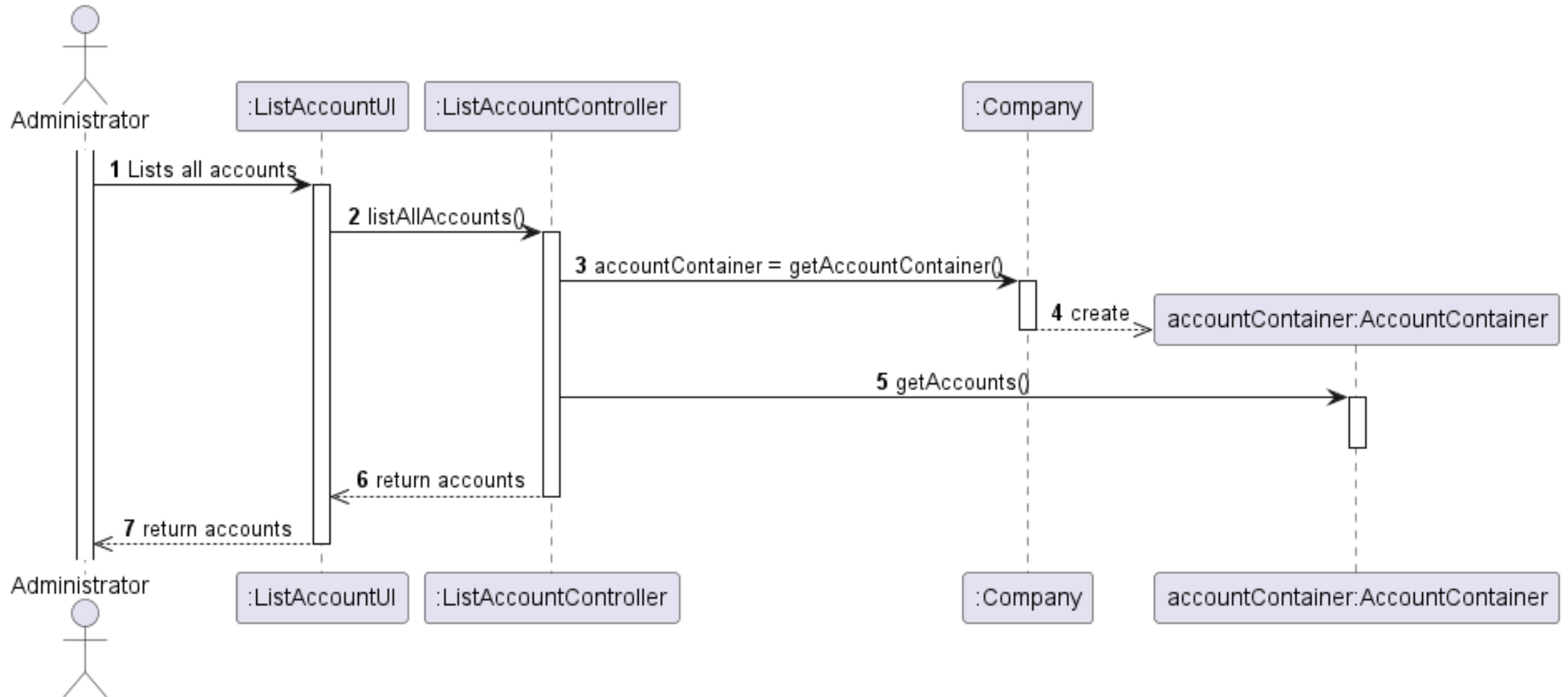
US003 - As Administrator, I want to change the profile of a user account.



## US004

### TO LIST ALL ACCOUNTS

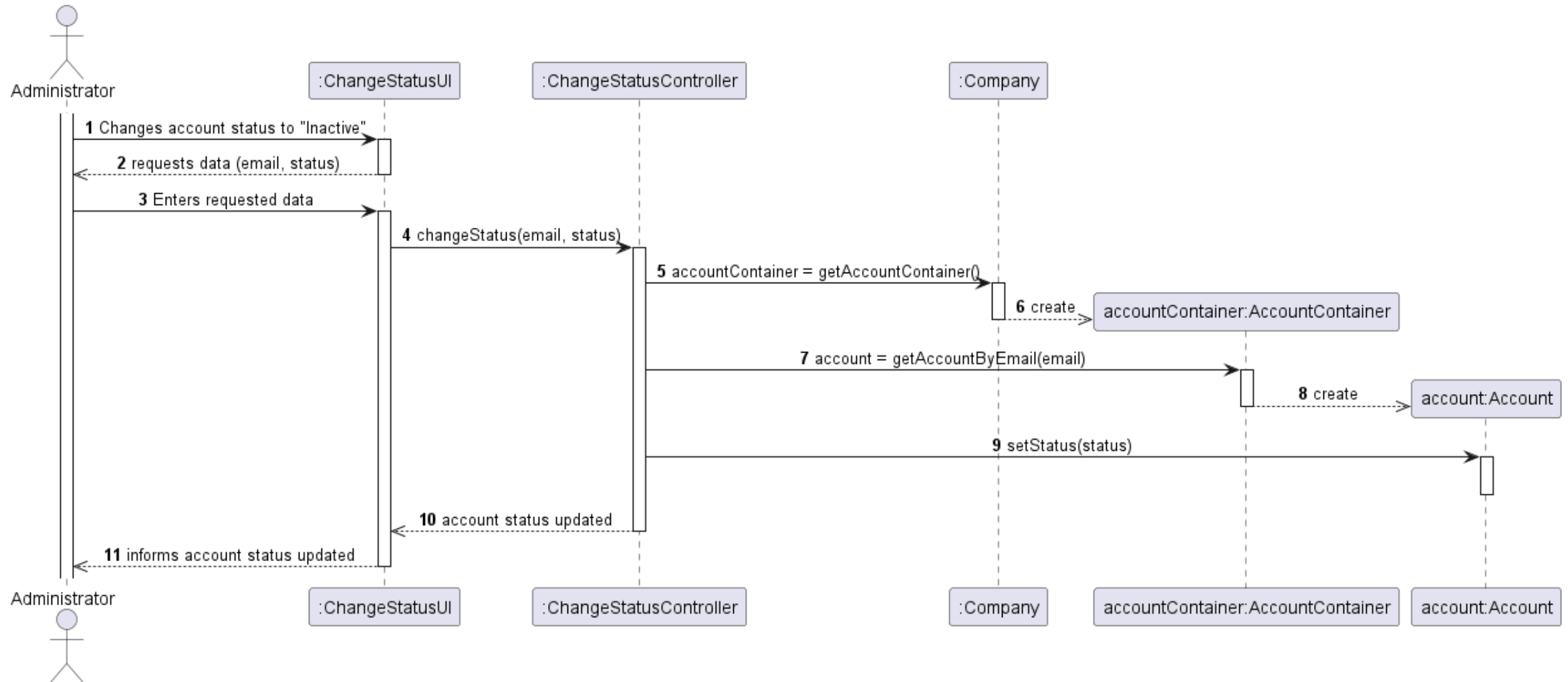
US004 - As Administrator, I want to get a list of all user accounts and their status.



## US005

### TO INACTIVATE USER ACCOUNT

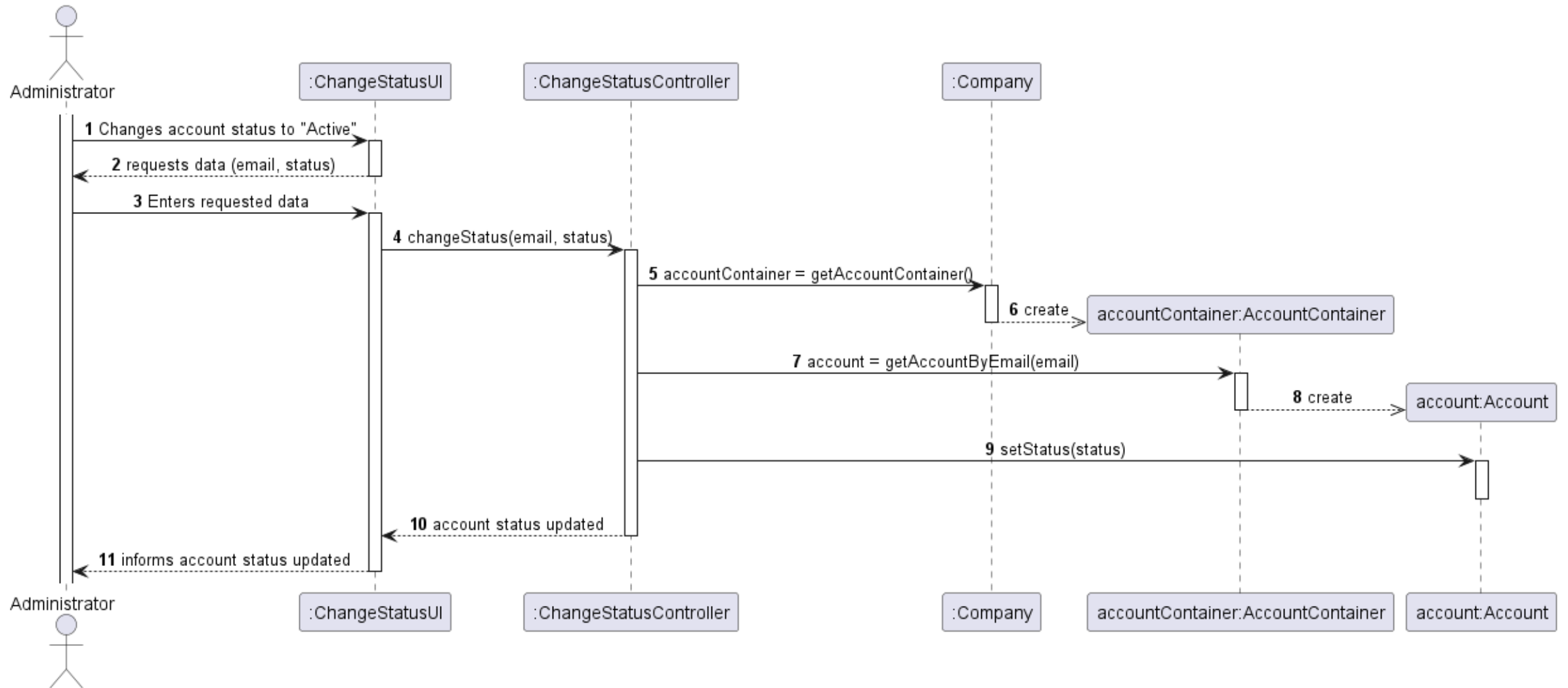
US005 - As Administrator, I want to deactivate a user account.



## US006

### TO ACTIVATE USER ACCOUNT

US006 - As Administrator, I want to activate a user account.



**DEMO**





# SUMMARY

- Too many arguments in Account constructor → Builder pattern
- High coupling between layers → DTO
- Accumulation of responsibilities → Service layer



thank you

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