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| Capstone Project Document |

**BOOKAHOLIC SOCIAL NETWORK**

Report #2 – Class Design

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| **Bookaholic Social Network** | | |
| **Group Members** | Phạm Thị Huyền | SE03416 |
| Thái Thị Cẩm Vân | SE03409 |
| Vũ Hải Đăng | SE03380 |
| Nguyễn Thị Hải Yến | SE03171 |
| Chu Minh Hải | SE03143 |
| **Supervisor** | Mr. Nguyễn Văn Sang | |
| **Project code** | BSN | |

**- Hanoi, 10/2016 -**

# SIGNATURE PAGE

AUTHOR: Phạm Thị Huyền --/--/2016

Project manager

REVIEWERS: --/--/2016

Team member

APPROVAL: Nguyễn Văn Sang --/--/2016

Supervisor

Record of change

\*A - Added M - Modified D – Deleted

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TABLE CONTENTS

[SIGNATURE PAGE 0](#_Toc469237535)

[Introduction 2](#_Toc469237536)

[1.1 Purpose 2](#_Toc469237537)

[1.2 Definitions, Acronyms and Abbreviations 2](#_Toc469237538)

[2 Package 2](#_Toc469237539)

[2.1 Package Diagram 2](#_Toc469237540)

[2.2 Package Description 3](#_Toc469237541)

[2.2.1 Model 3](#_Toc469237542)

[2.2.2 0](#_Toc469237543)

[3 Function 0](#_Toc469237544)

[3.1 Guest Module 0](#_Toc469237545)

[3.1.1 Register 0](#_Toc469237546)

[3.2 Reader/Author Module 0](#_Toc469237547)

[3.2.1 Account 0](#_Toc469237548)

[3.2.2 Post 1](#_Toc469237549)

[3.2.3 Interaction 3](#_Toc469237550)

[3.2.4 Group 3](#_Toc469237551)

[3.2.5 Book 4](#_Toc469237552)

[3.3 Admin Module 4](#_Toc469237553)

[3.3.1 User Accounts Management 4](#_Toc469237554)

[3.3.2 Groups Management 4](#_Toc469237555)

[3.3.3 Books Management 5](#_Toc469237556)

[3.3.4 Sliders Management 0](#_Toc469237557)

[3.3.5 Publishers Management 4](#_Toc469237558)

[3.3.6 Statistics 7](#_Toc469237559)

# Introduction

## Purpose

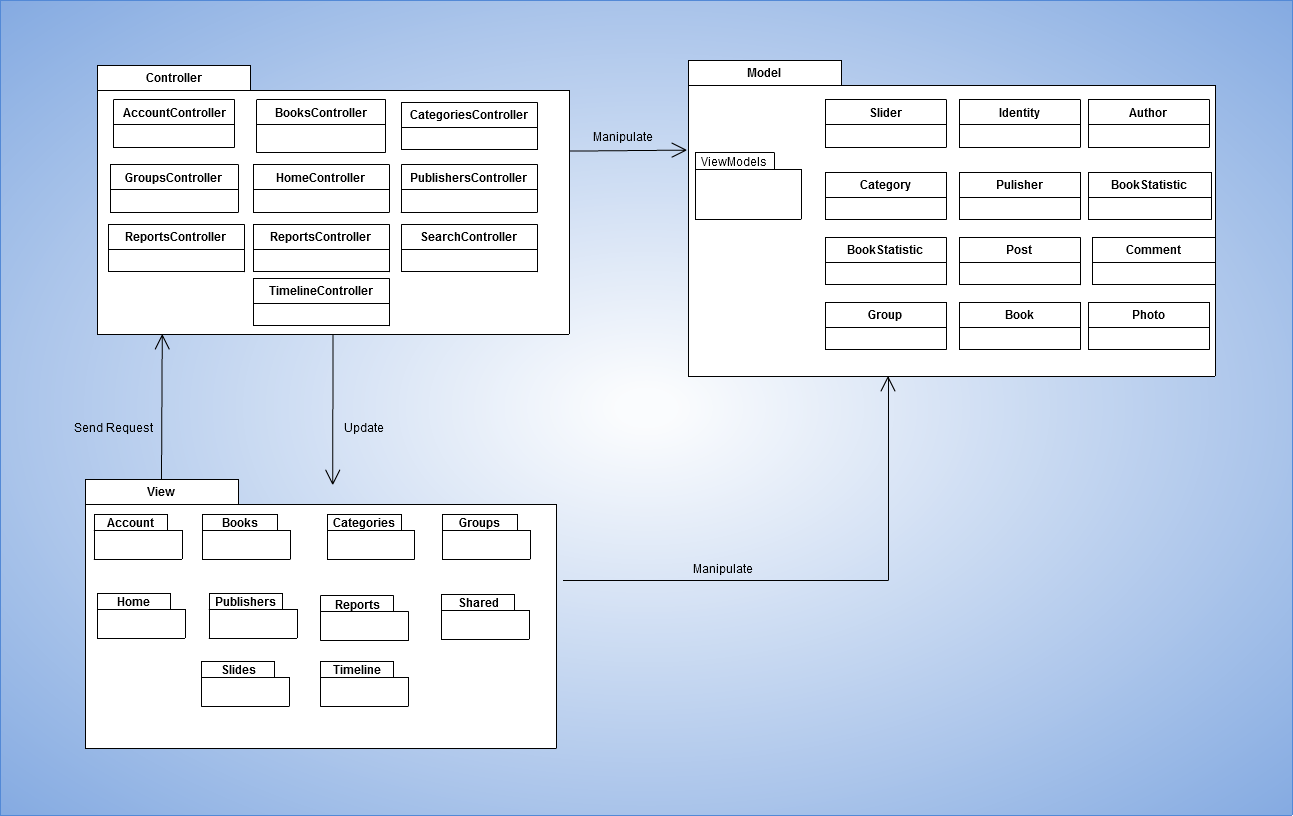
## Definitions, Acronyms and Abbreviations

|  |  |  |
| --- | --- | --- |
| Abbreviations | Description | Note |
| BSN | Bookaholic Social Network |  |
|  |  |  |

1. Definitions, Acronyms and Abbreviations

# Package

## Package Diagram



1. Package Diagram

## Package Description

### Model

### 

# Function

## Guest Module

### Register

#### Class diagram

#### Sequence diagram

##### Register for a normal account

##### Register for an author account

## Reader/Author Module

### Account

#### Class diagram

#### Sequence diagram

##### Login

##### Logout

##### Edit personal information

##### Edit avatar and cover photo

##### Reset password

### Post

#### Class diagram

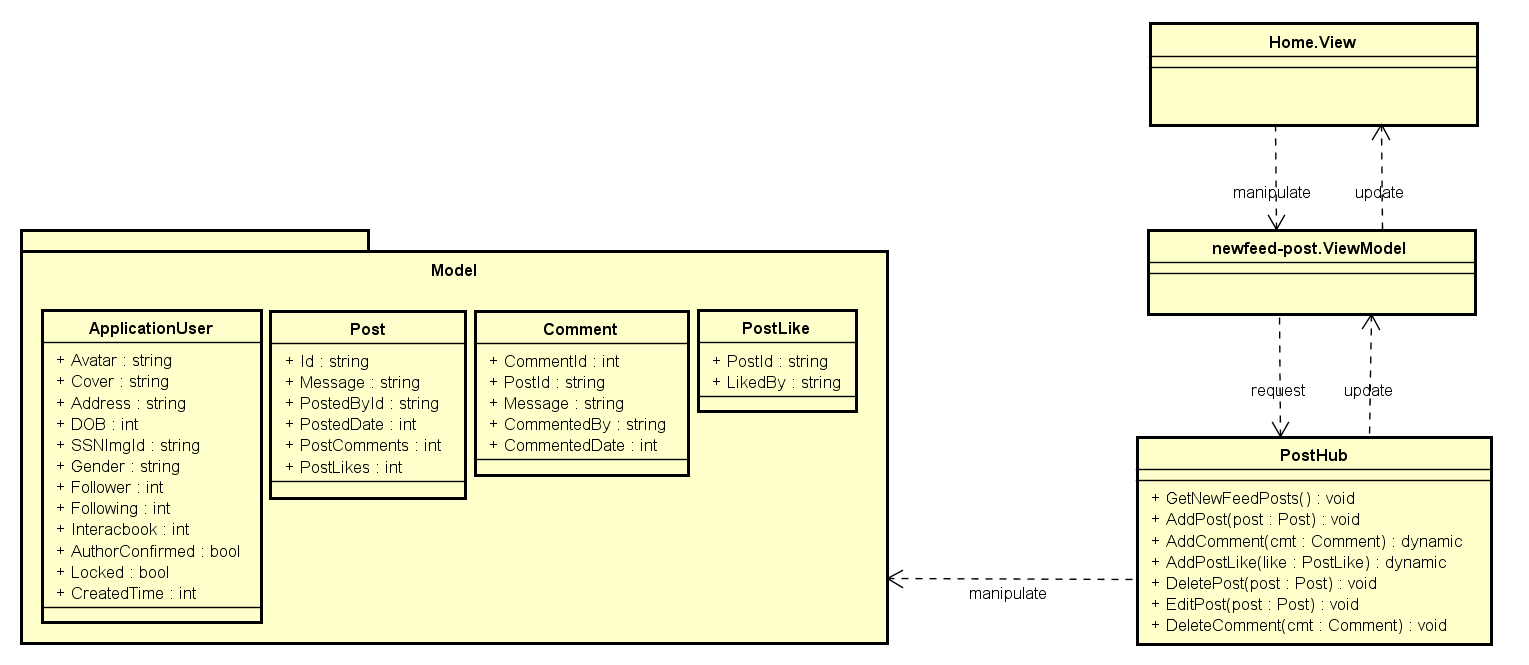


Figure 3‑1: Post Class Design

#### Sequence diagram

##### Create a post

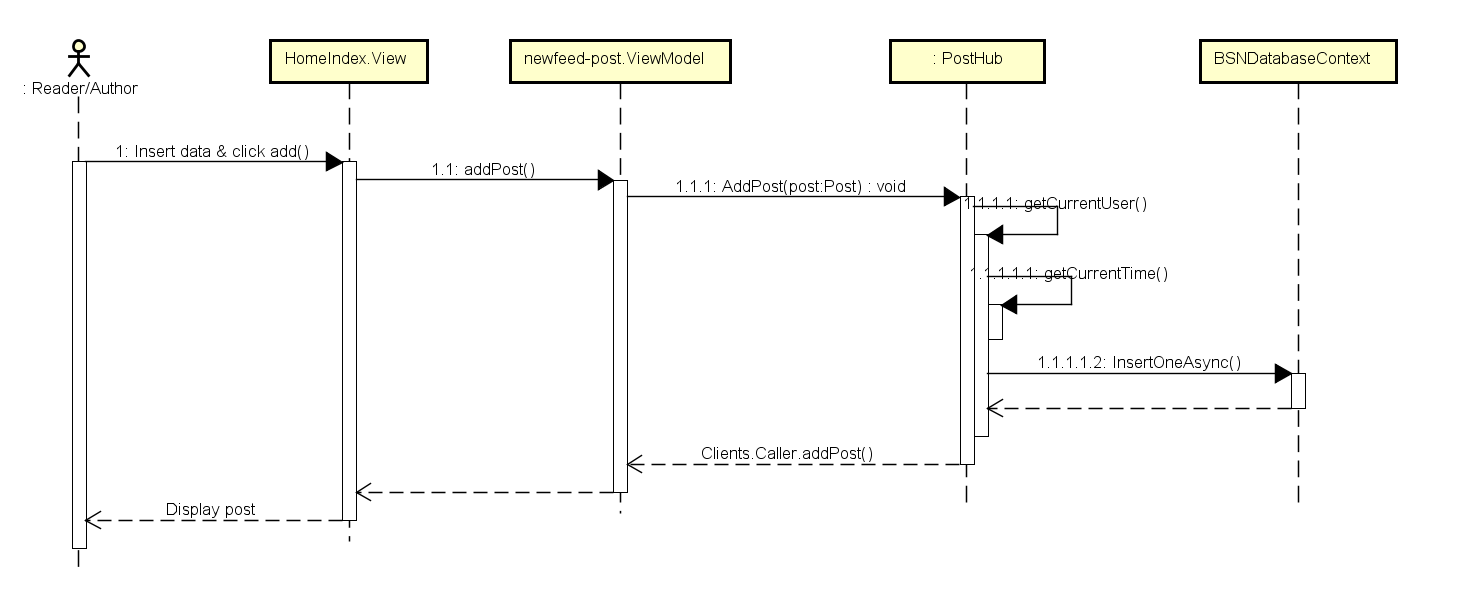


Figure 3‑2: Create Post Sequence Diagram

##### Edit a post

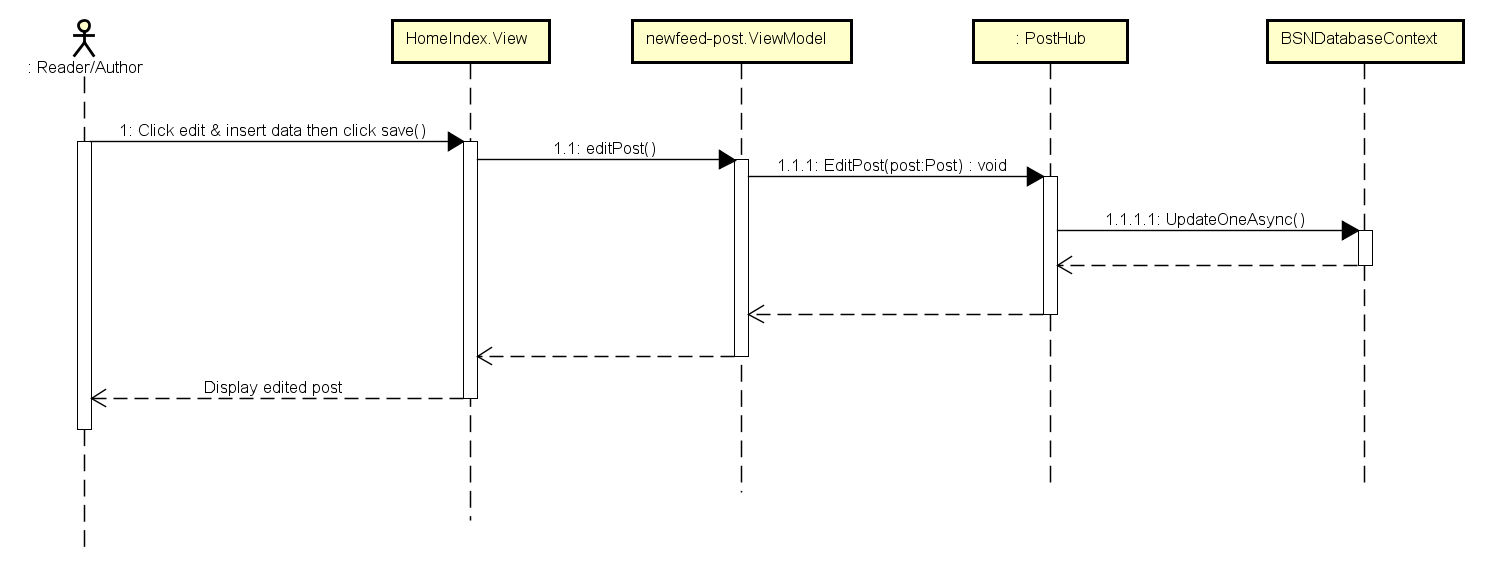


Figure 3‑3: Edit Post Sequence Diagram

##### Delete a post

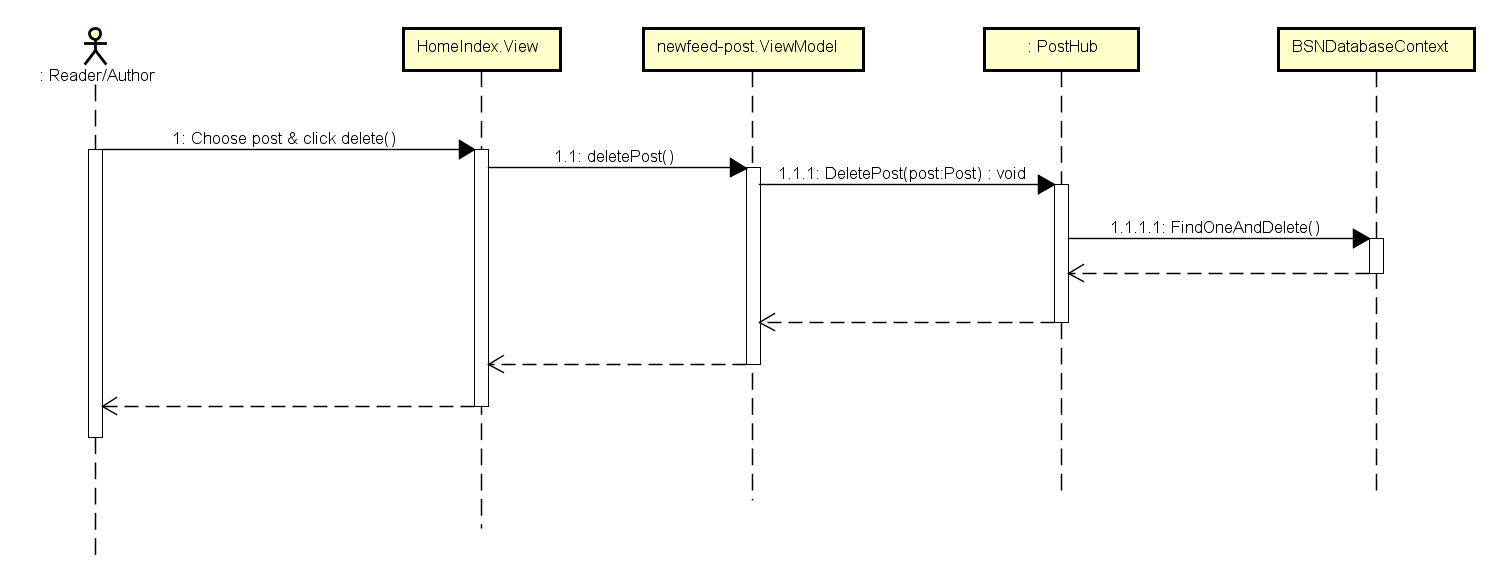


Figure 3‑4: Delete Post Sequence Diagram

##### Like a post

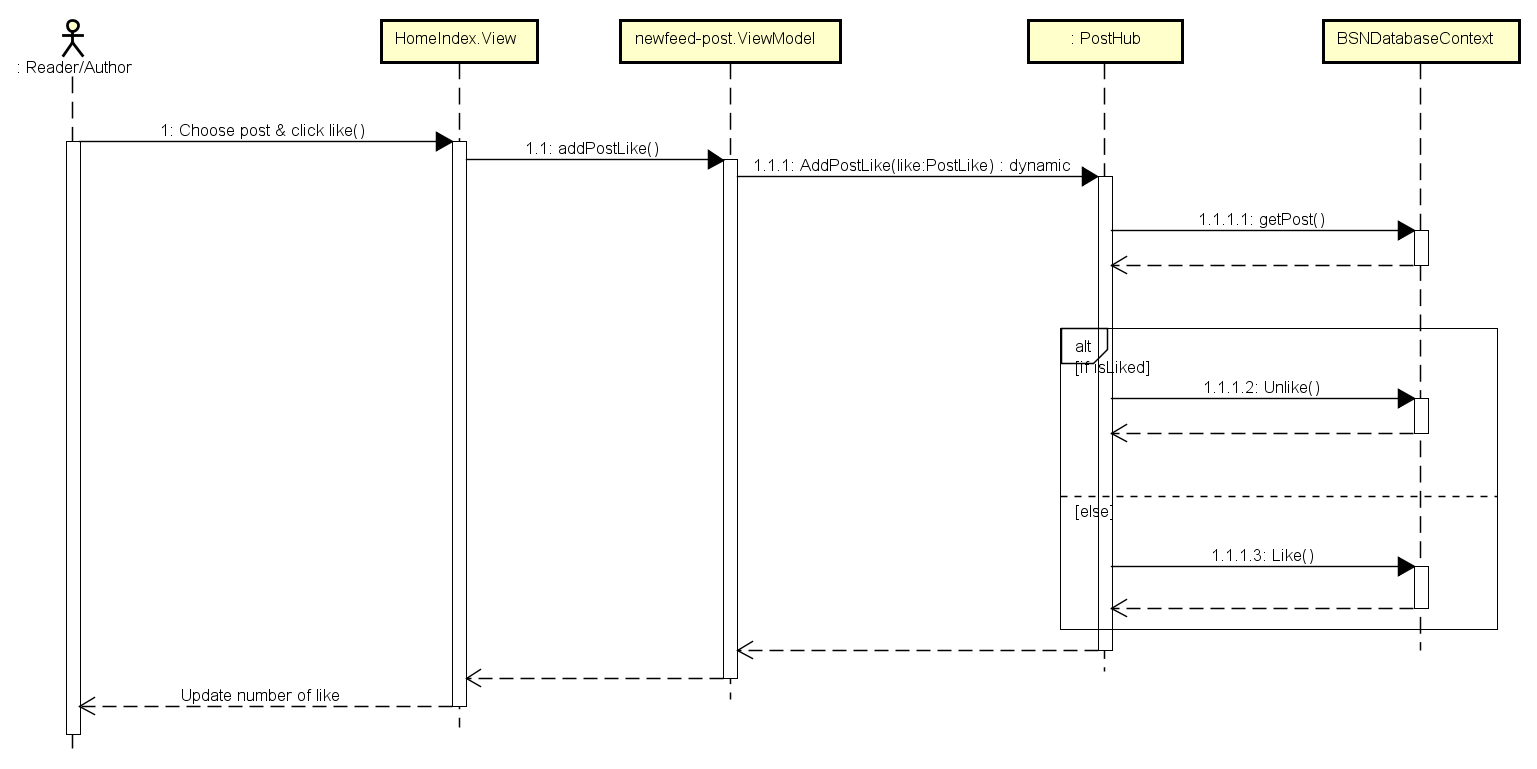


Figure 3‑5: Like Post Sequence Diagram

##### Unlike a post

Refer figure 3.2.2.2.4

##### Comment on a post

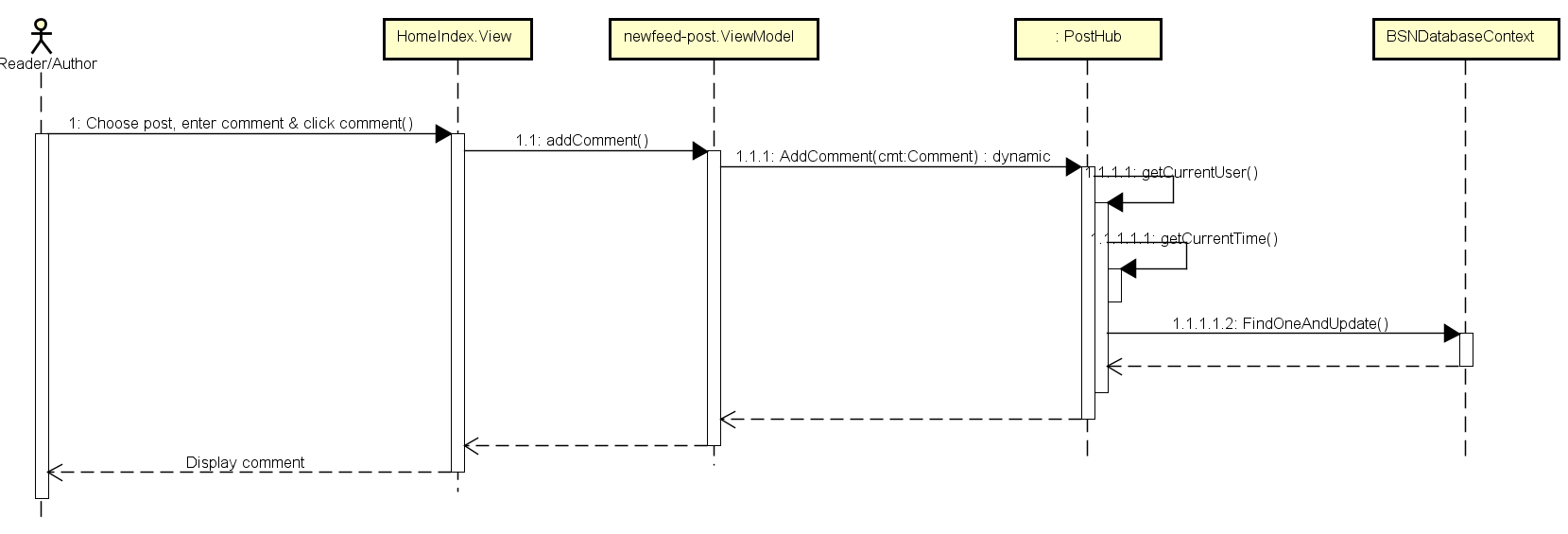


Figure 3‑6: Comment on Post Sequence Diagram

##### Delete a comment

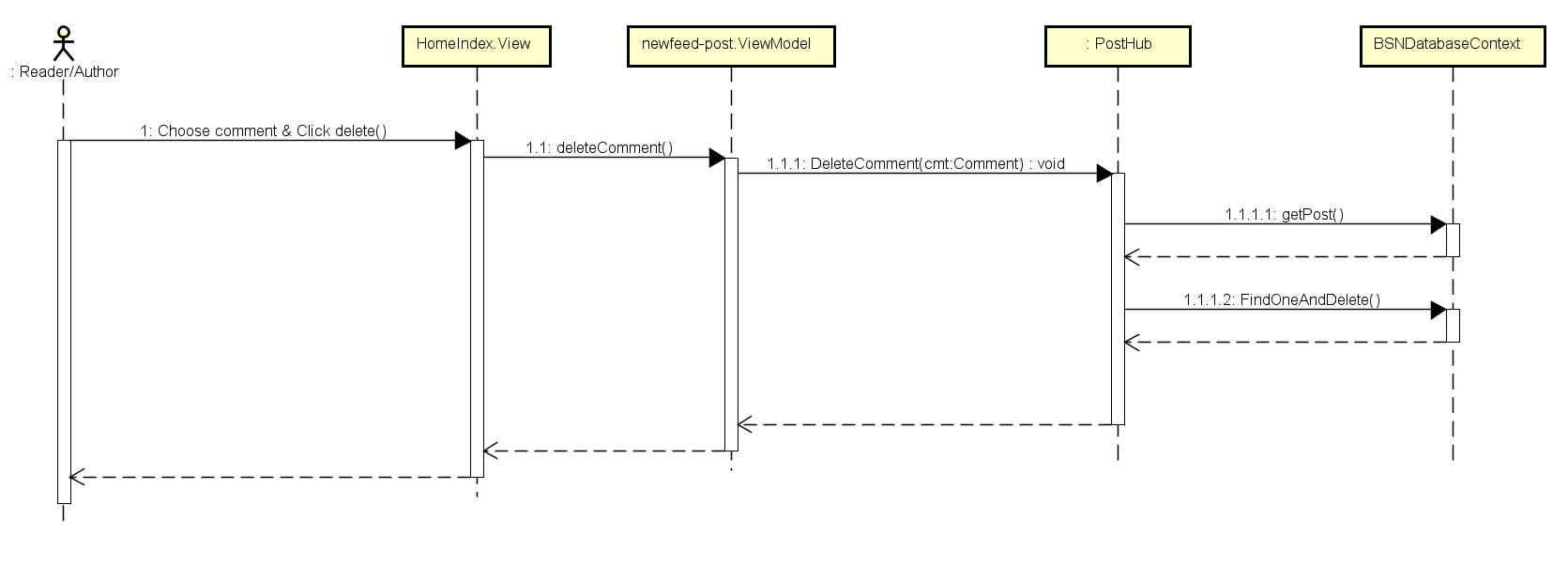


Figure 3‑7: Delete Comment Sequence Diagram

### Interaction

#### Class diagram

#### Sequence diagram

##### Follow user account

##### Report user account

##### Send join-group request

##### Leave a group

##### Report a group

##### Get Notification

### Group

#### Class diagram

#### Sequence diagram

##### Create a group

##### Edit group information

##### Edit group's avatar/cover photo

##### Add new members

##### Accept join-group request

##### Set group's admin

##### Remove a member

##### Create a group post

##### Like a group post

##### Edit a group post

##### Delete a group post

##### Comment on a group post

##### Delete comment on a group post

### Book

#### Class diagram

#### Sequence diagram

##### Rate a book

##### Comment on a book

##### View a book's details

##### Search book/author/other account/group

##### View suggested books/authors

## Admin Module

### User Accounts Management

#### Class diagram

#### Sequence diagram

##### Search user

##### Ban user

##### Unban user

##### Decline request about reporting an account

##### Accept request about creating author account

##### Decline request about creating author account

### Groups Management

#### Class diagram

#### Sequence diagram

##### Band a group

##### Unban a group

##### Decline request about reporting a group

### Books Management

#### Class diagram

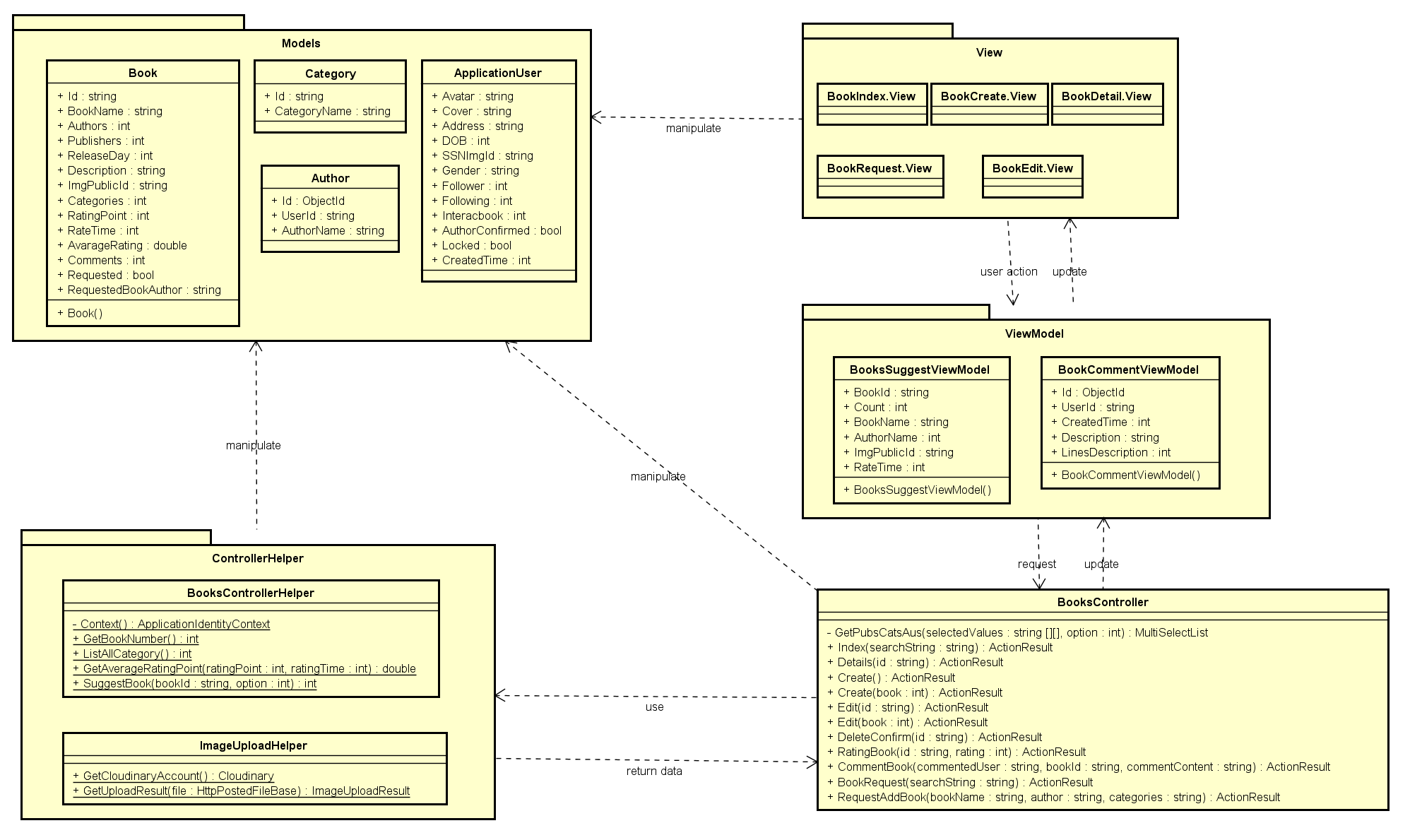


Figure 3‑8: Book Management Class Diagram

#### Sequence diagram

##### Add a new book

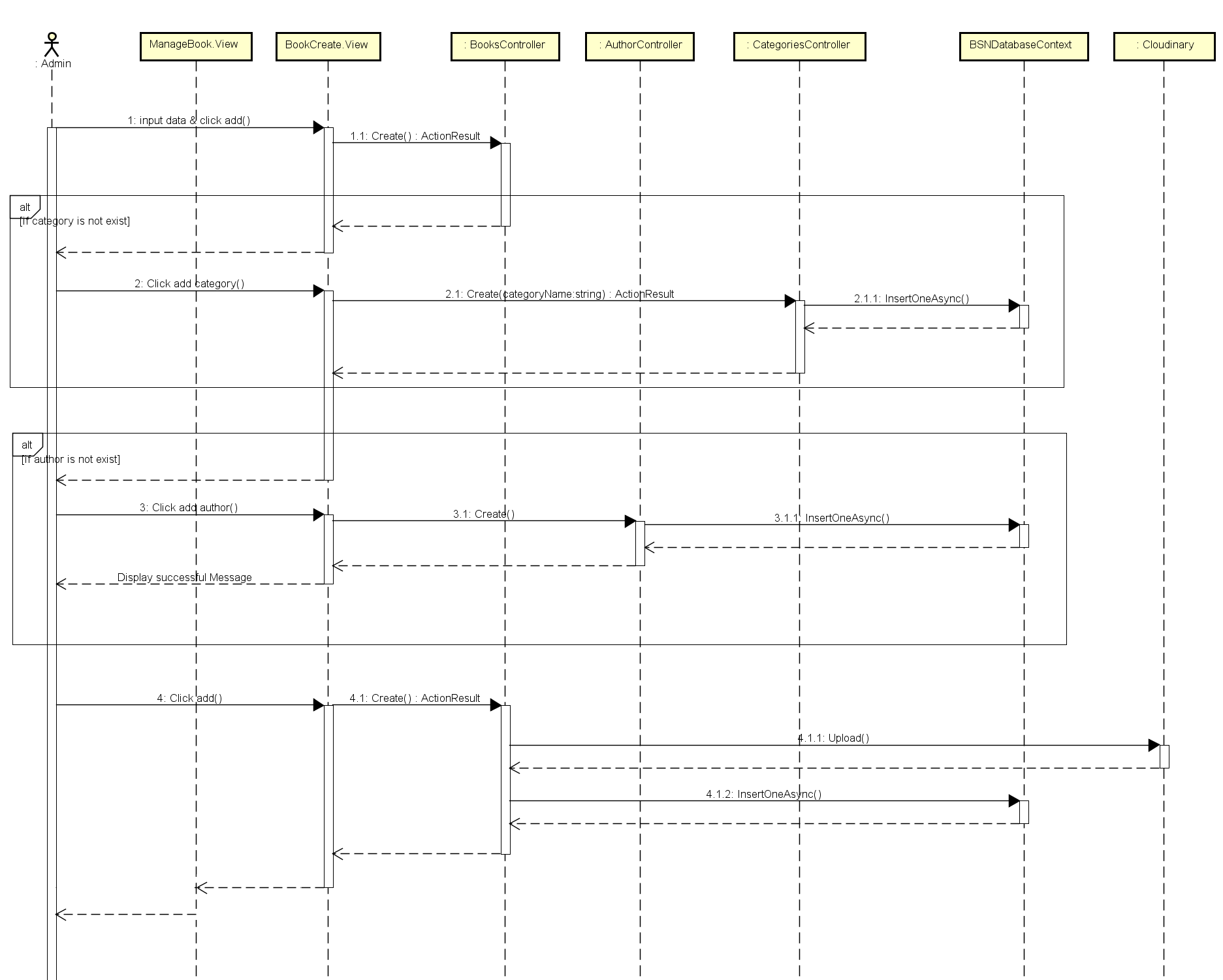


Figure 3‑9: Add Book Sequence Diagram

##### Add a new Category

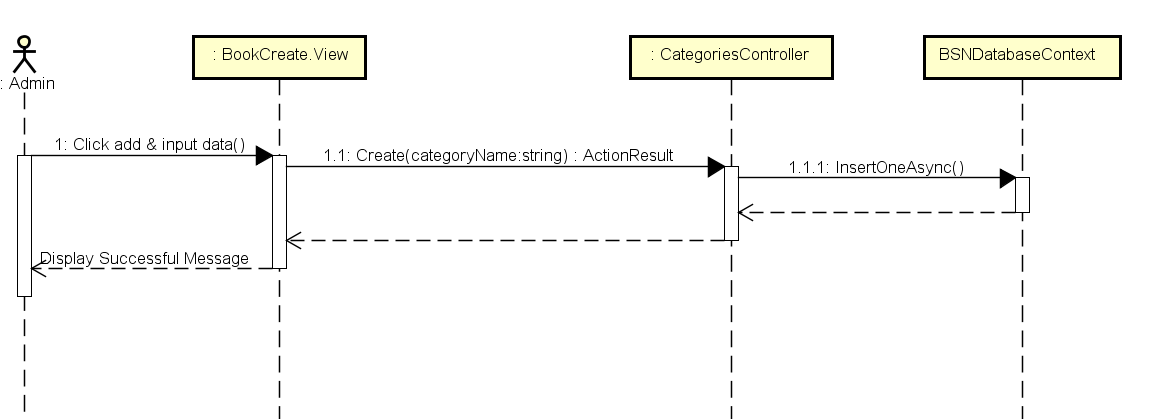


Figure 3‑10: Add Category Sequence Diagram

##### Add an author

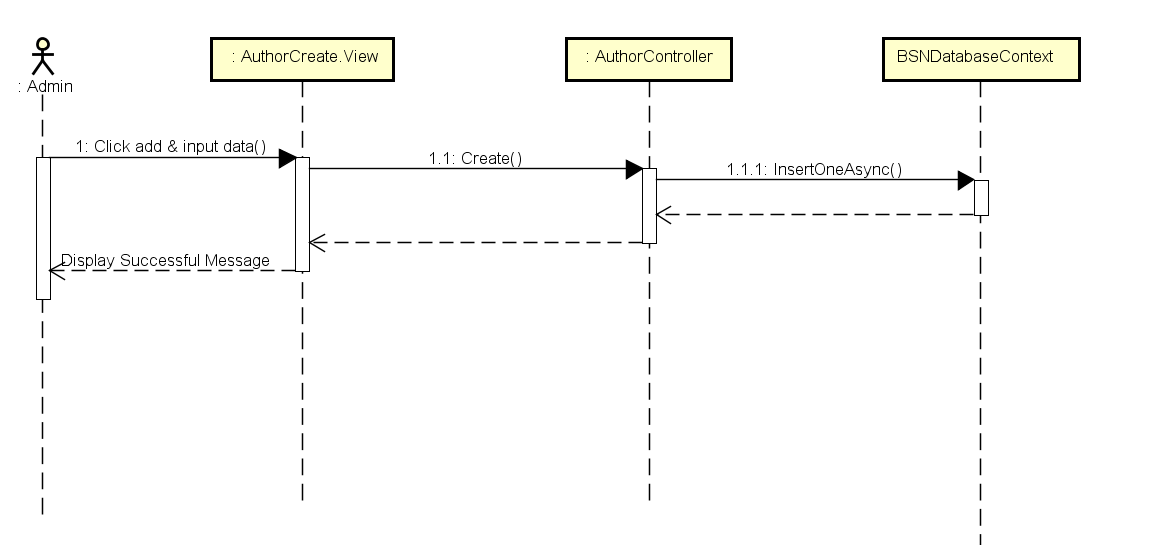


Figure 3‑11: Add Author Sequence Diagram

##### Edit book's information

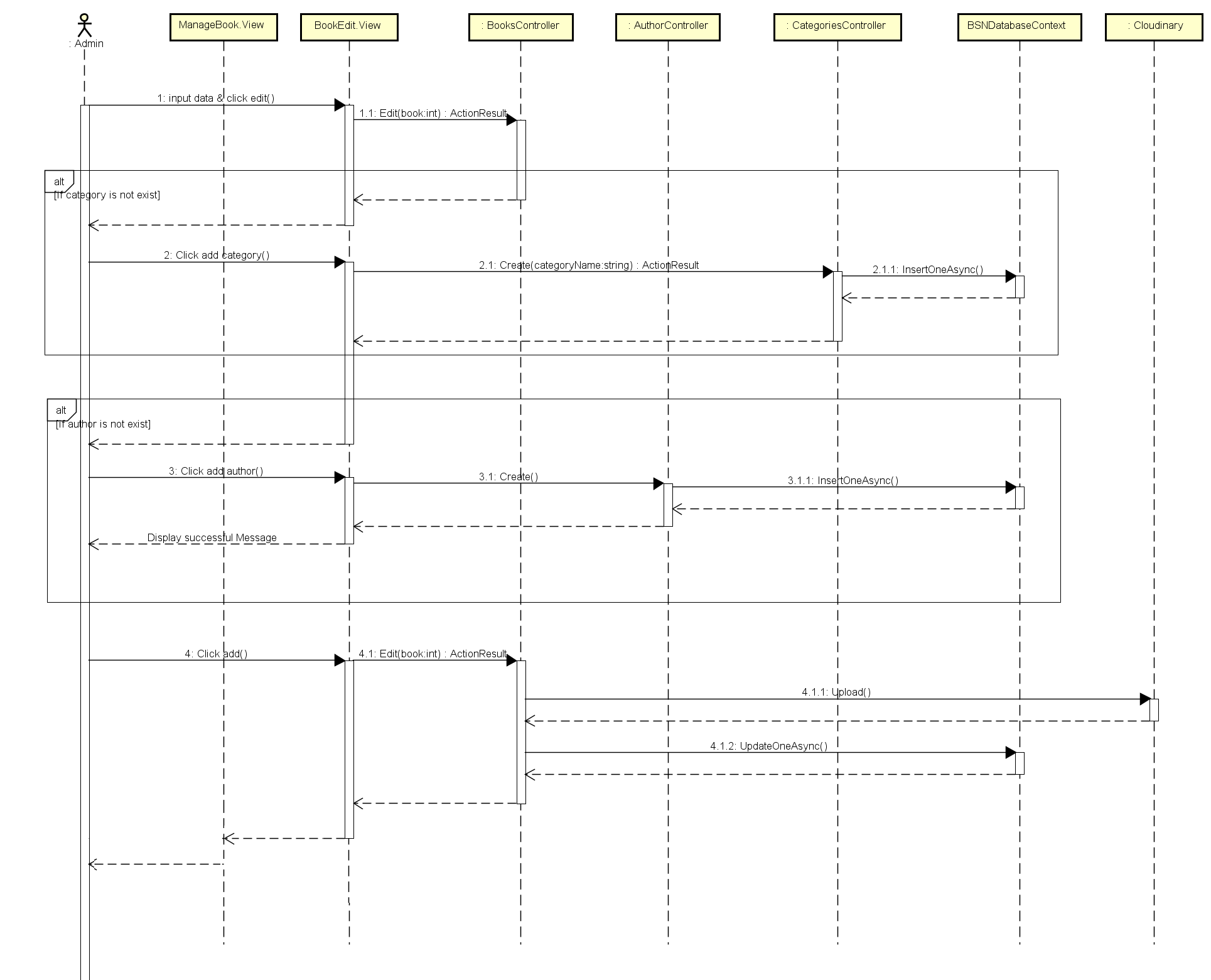


Figure 3‑12: Edit Book Sequence Diagram

##### Accept add-book request

##### Decline add-book request

### Sliders Management

#### Class diagram

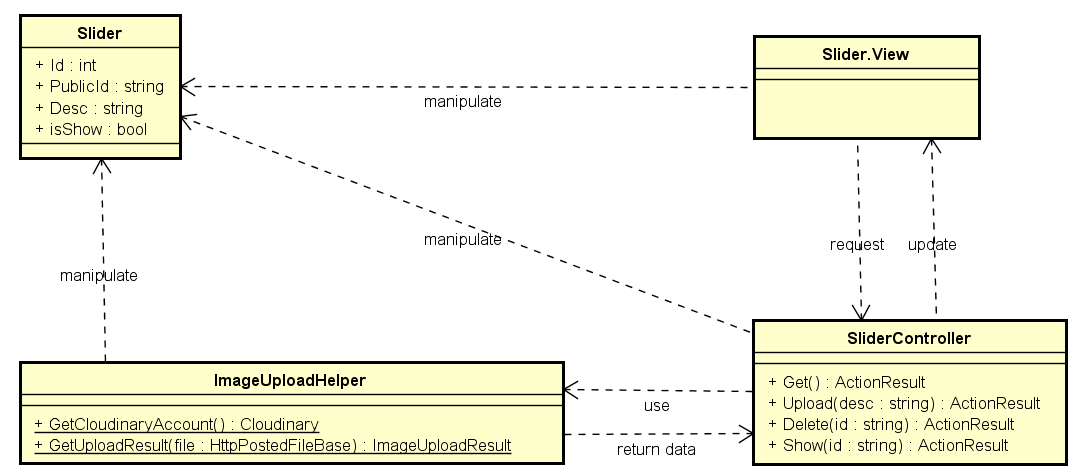


Figure 3‑13: Slider Management Class Diagram

#### Sequence diagram

##### Add a slider

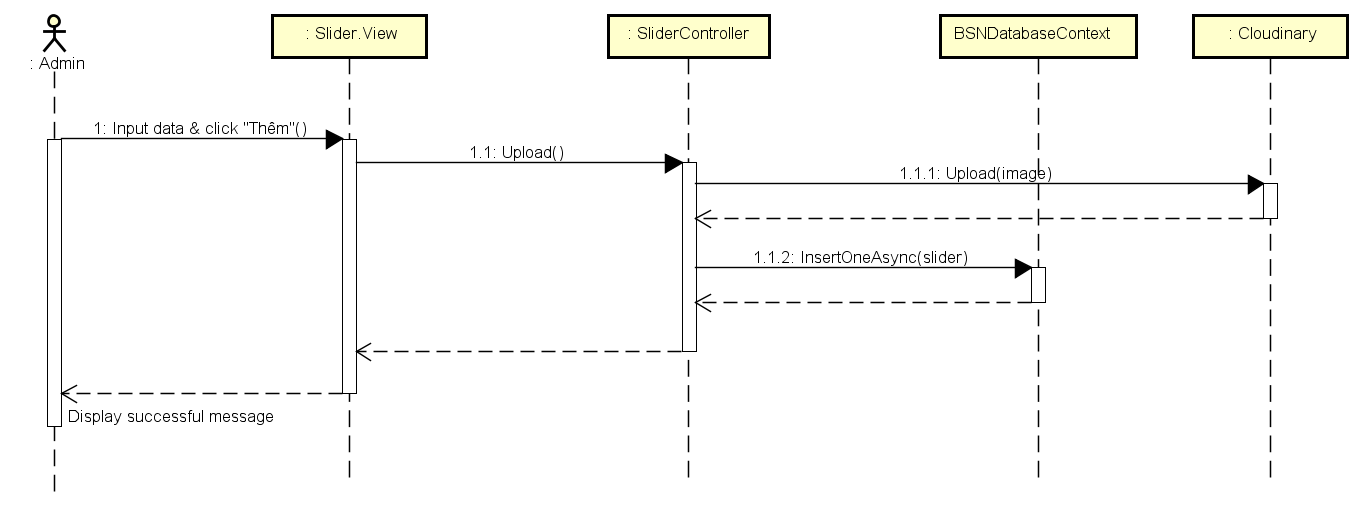


Figure 3‑14: Add Slider Sequence Diagram

##### Delete a slider

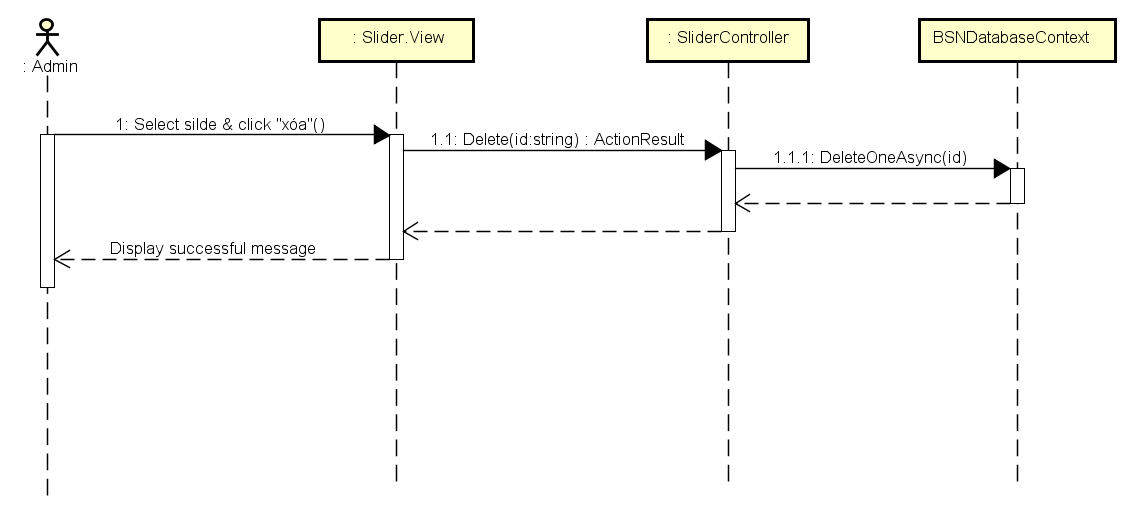


Figure 3‑15: Delete Slider Sequence Diagram

##### Active/de-active a slider

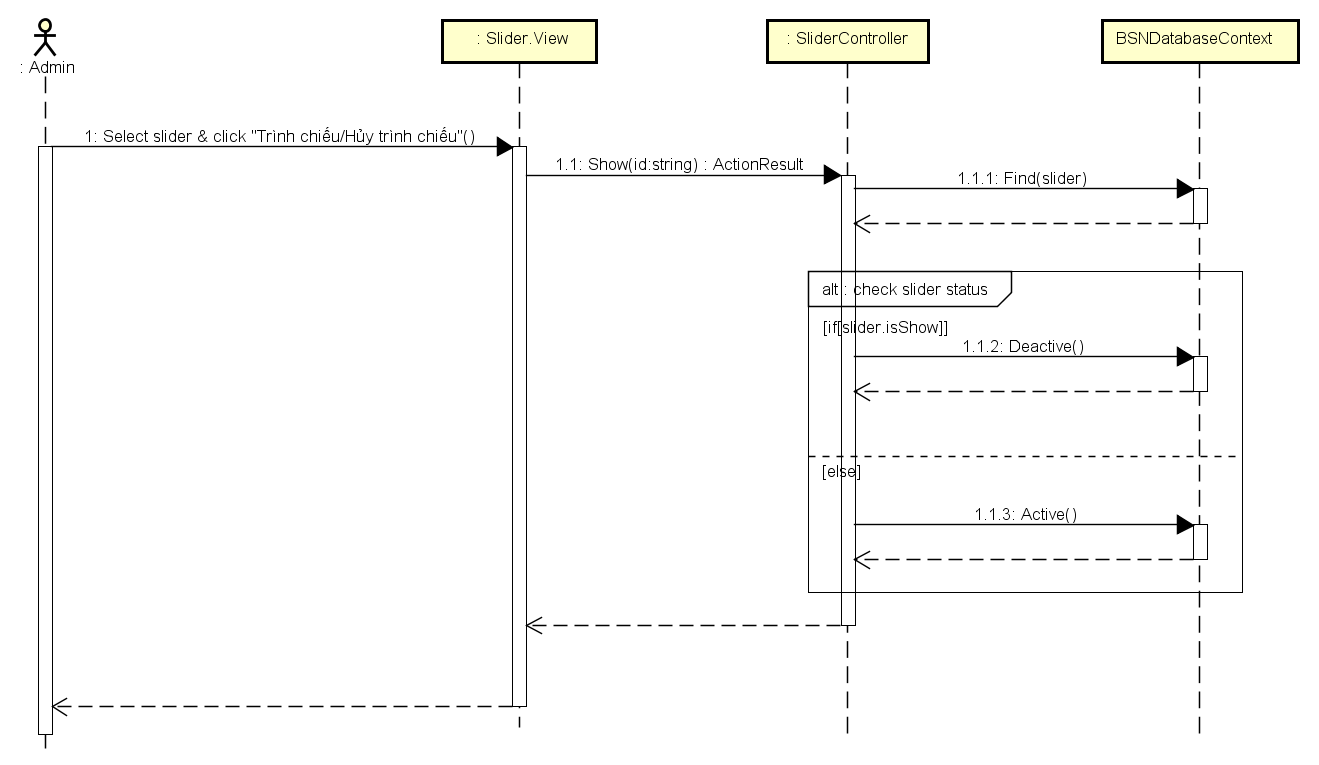


Figure 3‑16: Active/De-active Slider Sequence Diagram

##### Show sliders

### Publishers Management

#### Class diagram

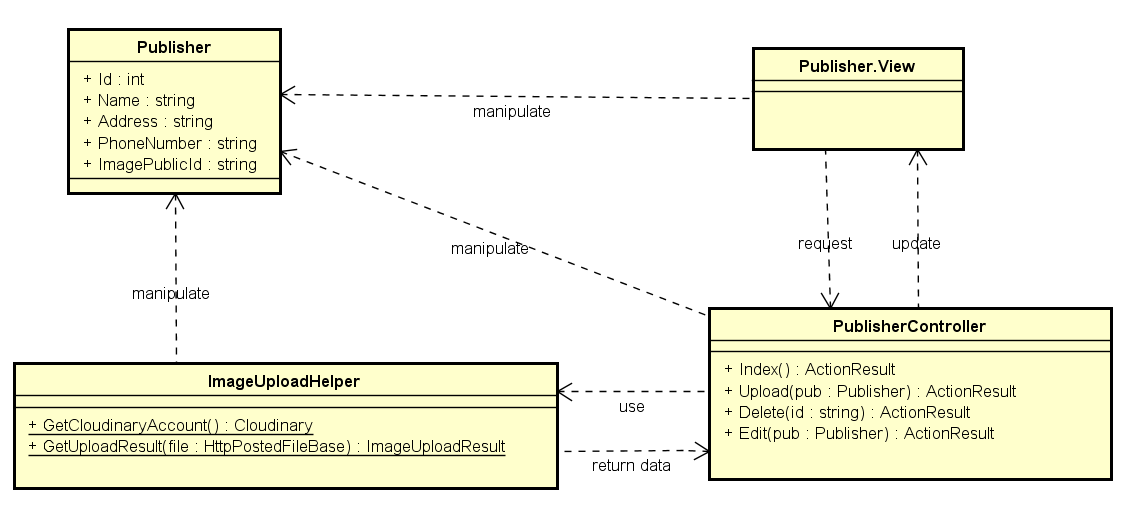


Figure 3‑17: Publisher Management

#### Sequence diagram

##### Add a new publisher

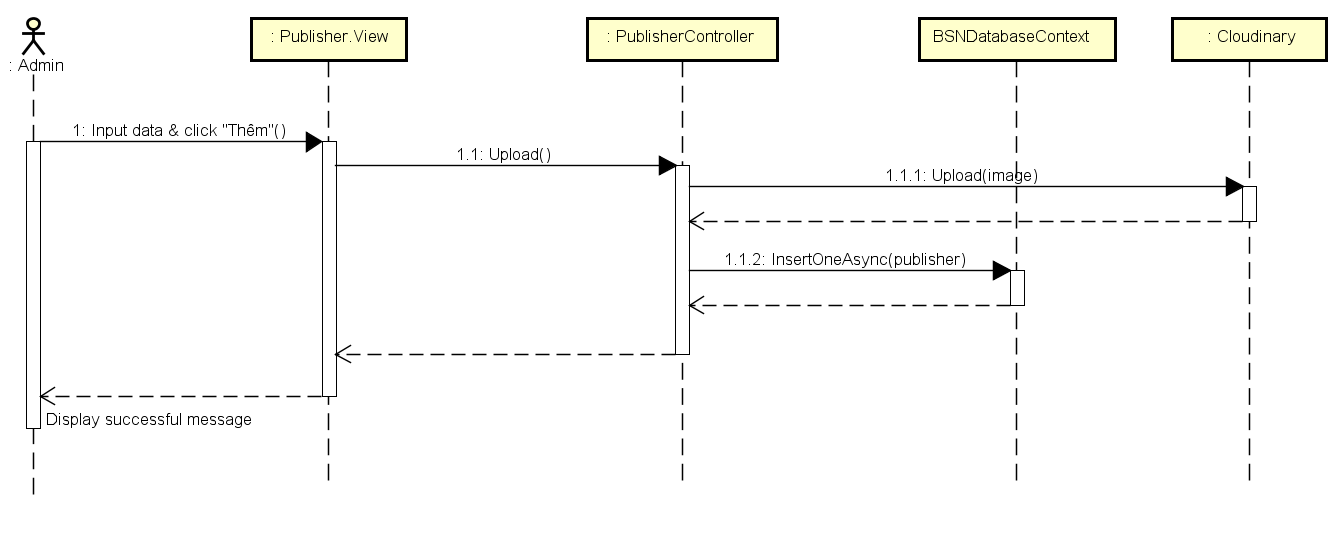


Figure 3‑18: Add publisher Sequence Diagram

##### Edit publisher' information

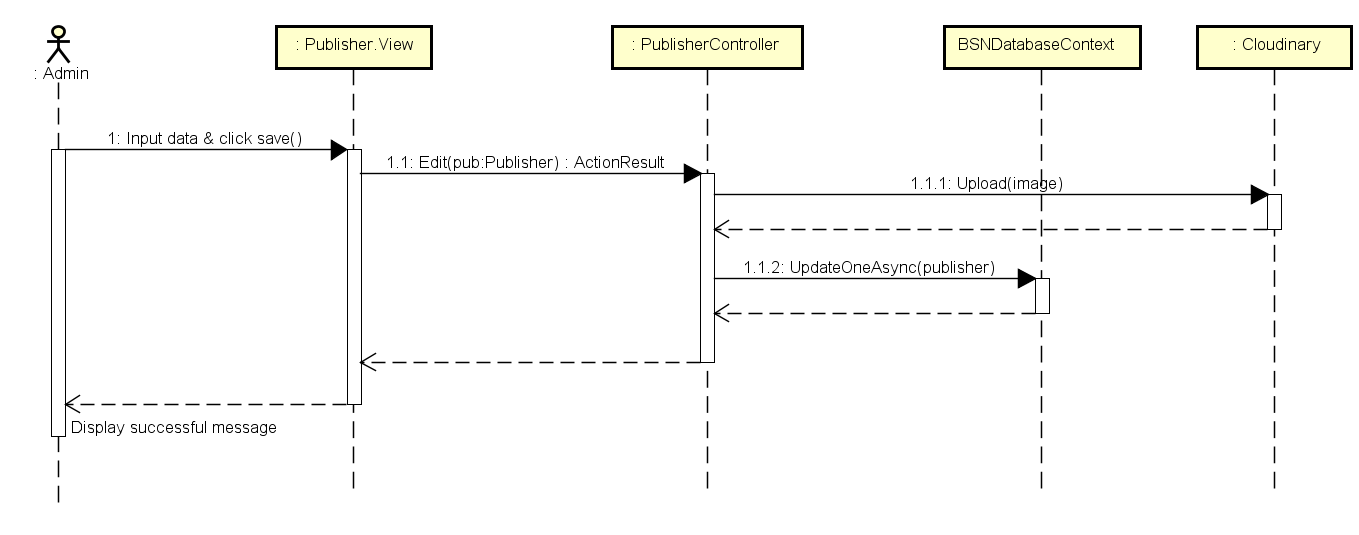


Figure 3‑19: Edit Publisher Sequence Diagram

##### Delete a publisher

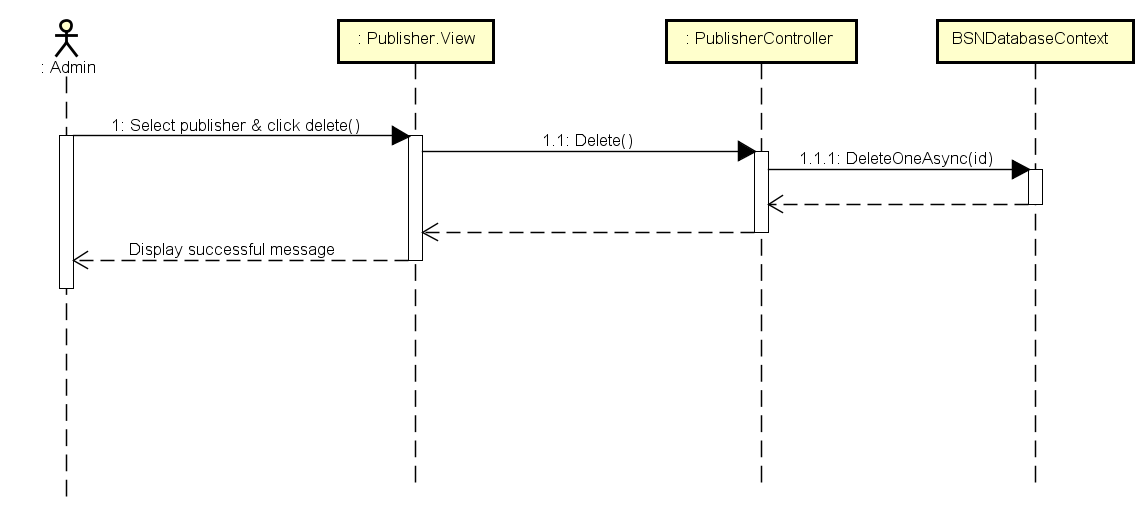


Figure 3‑20: Delete Publisher Sequence Diagram

### Statistics