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| Capstone Project Document |

**BOOKAHOLIC SOCIAL NETWORK**

Report #2 – Class Design

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**- Hanoi, 10/2016 -**

# SIGNATURE PAGE

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Record of change

\*A - Added M - Modified D – Deleted

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# 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

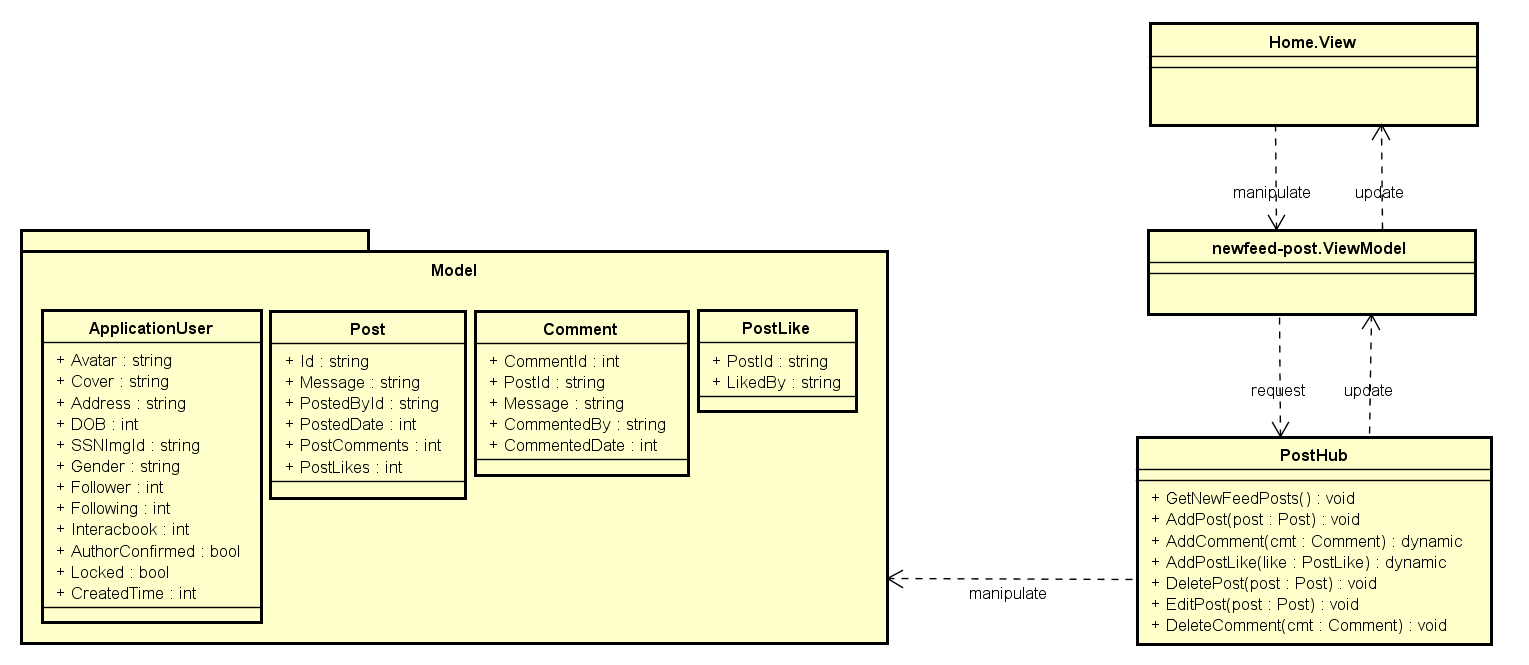


Figure ‑: Post Class Design

#### Sequence diagram

##### Create a post

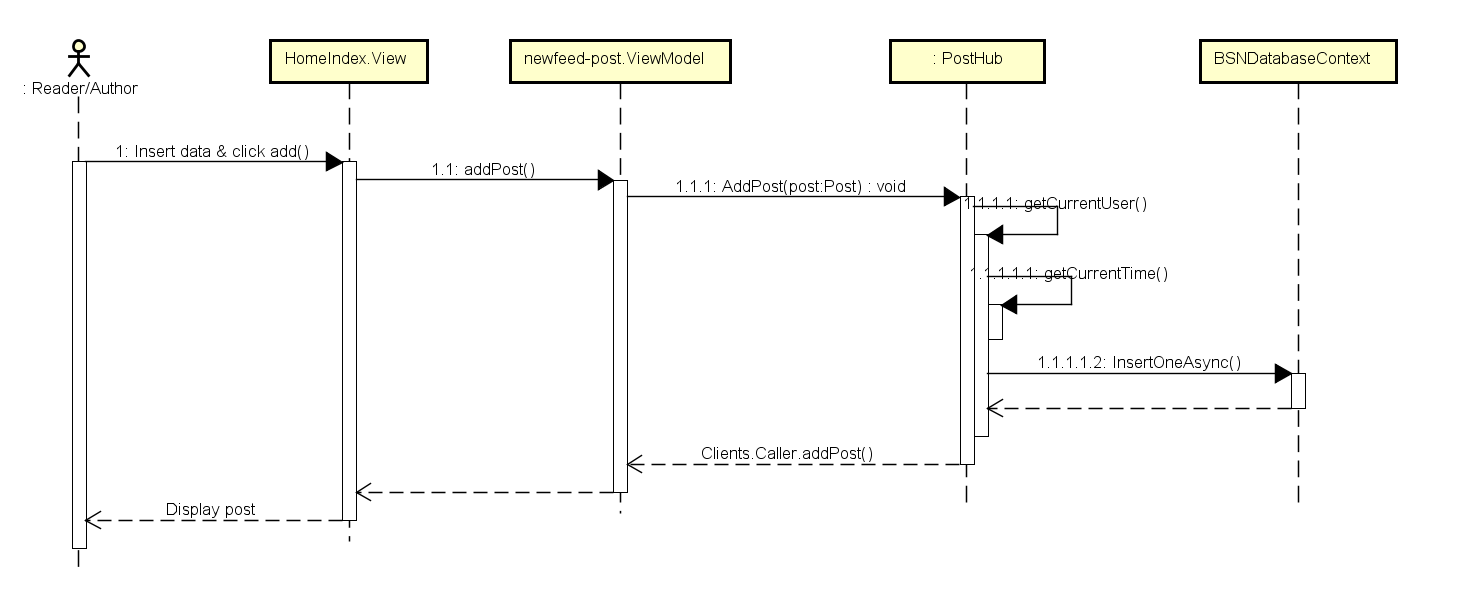


Figure ‑: Create Post Sequence Diagram

##### Edit a post

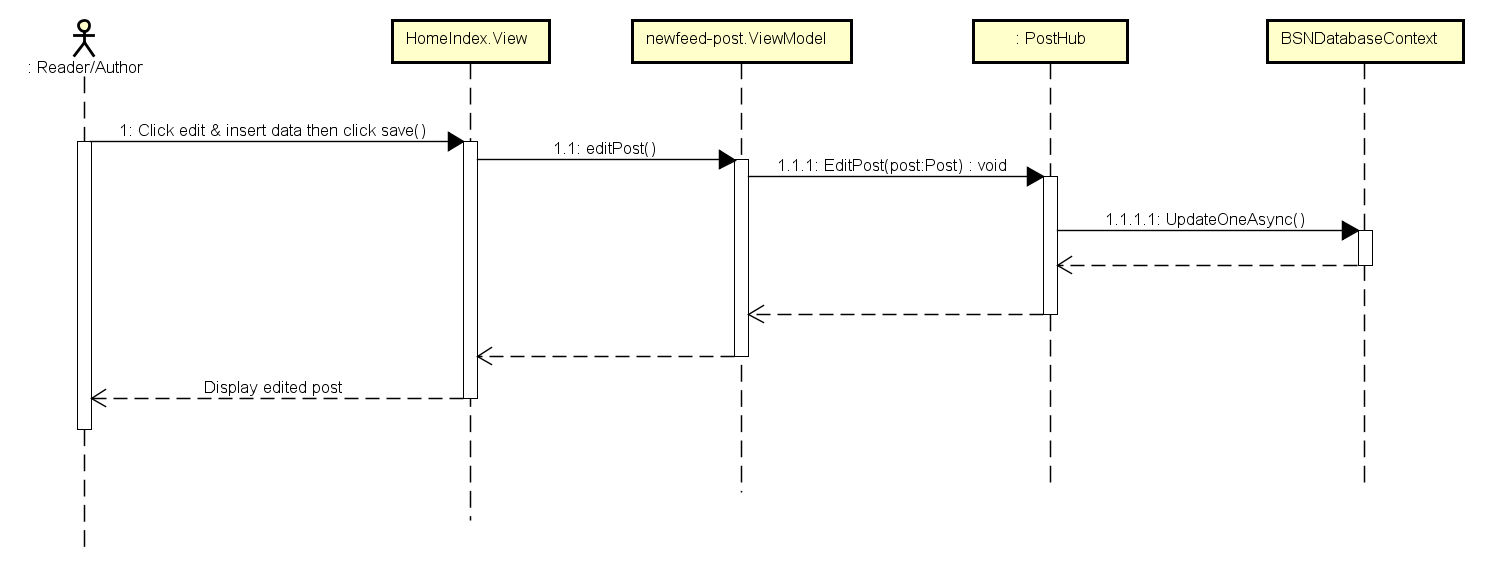


Figure ‑: Edit Post Sequence Diagram

##### Delete a post

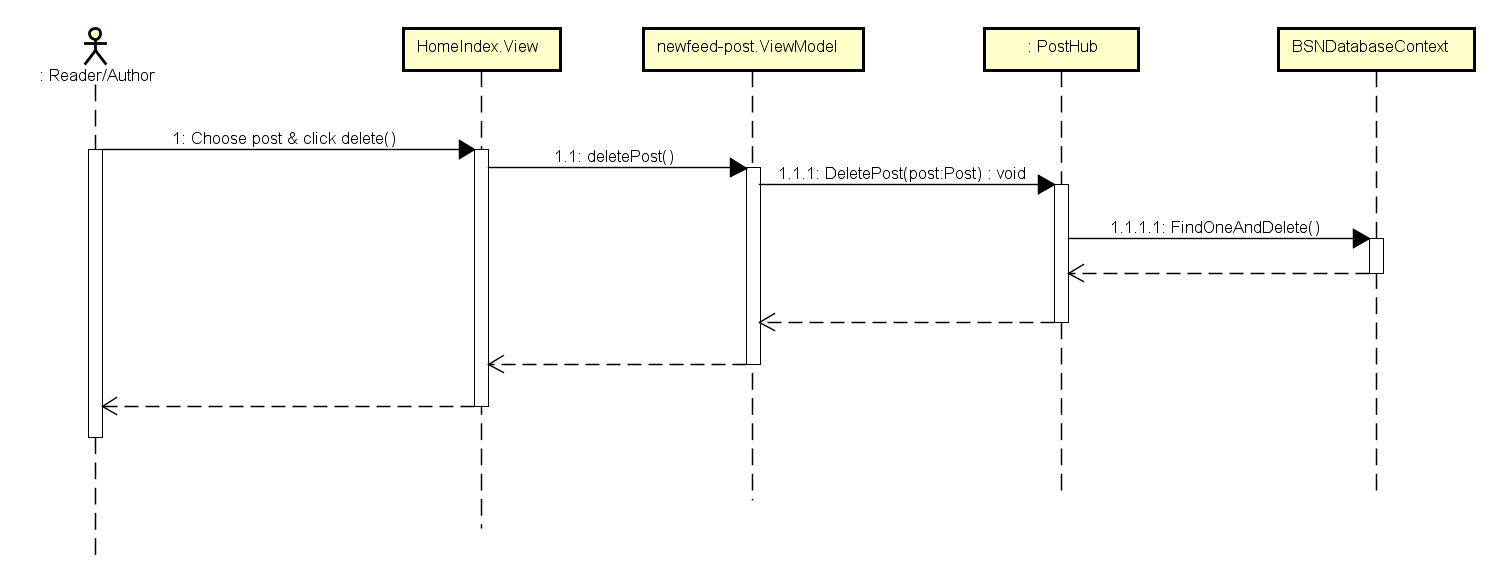


Figure ‑: Delete Post Sequence Diagram

##### Like a post

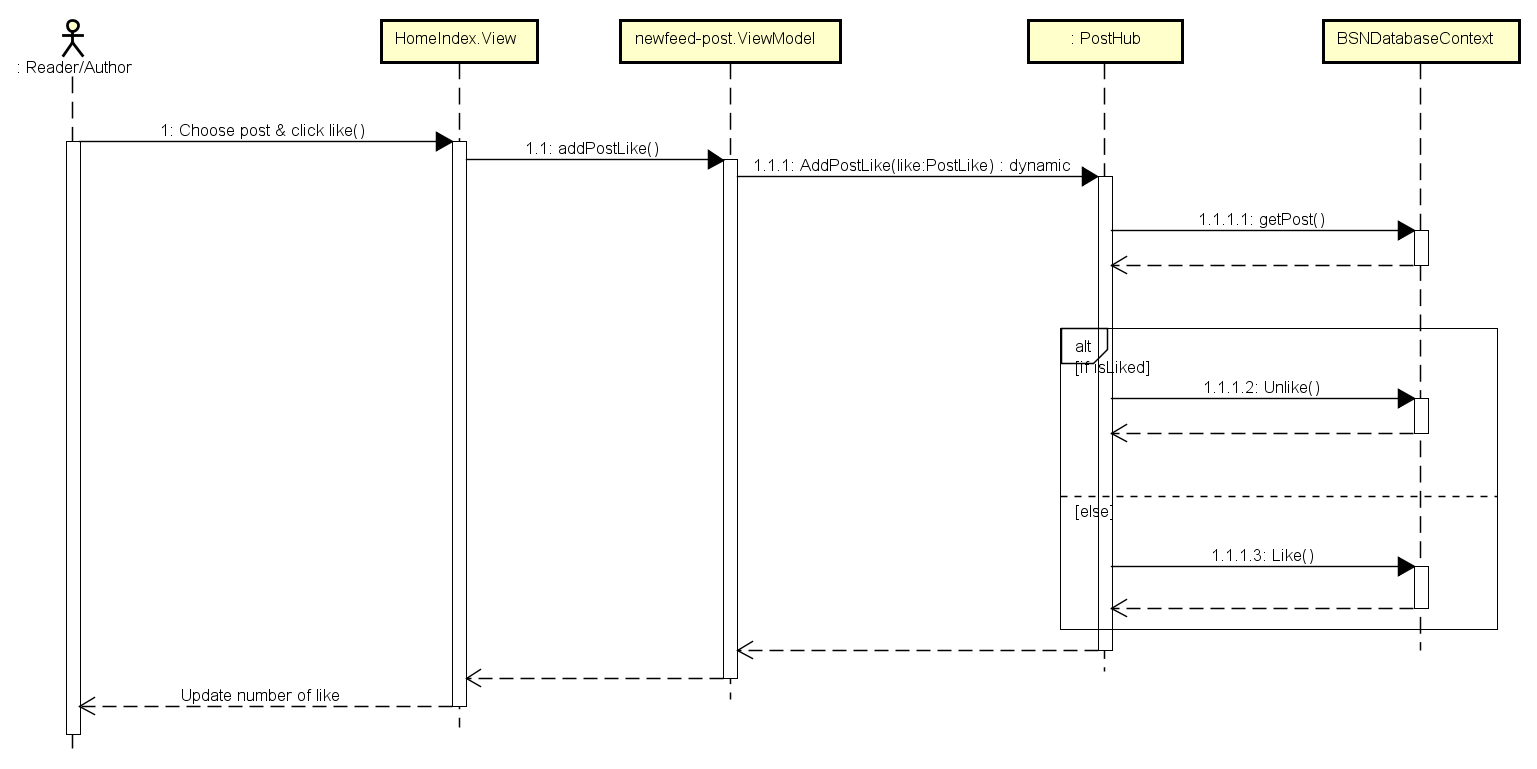


Figure ‑: Like Post Sequence Diagram

##### Unlike a post

Refer figure 3.2.2.2.4

##### Comment on a post

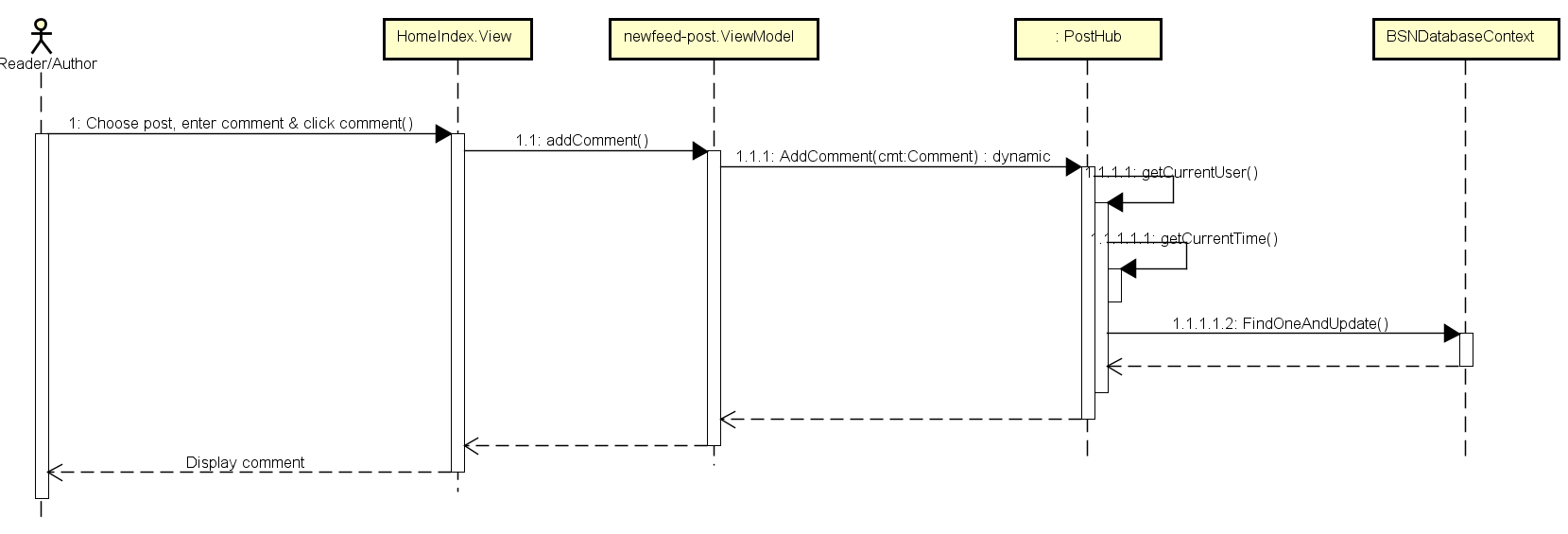


Figure ‑: Comment on Post Sequence Diagram

##### Delete a comment

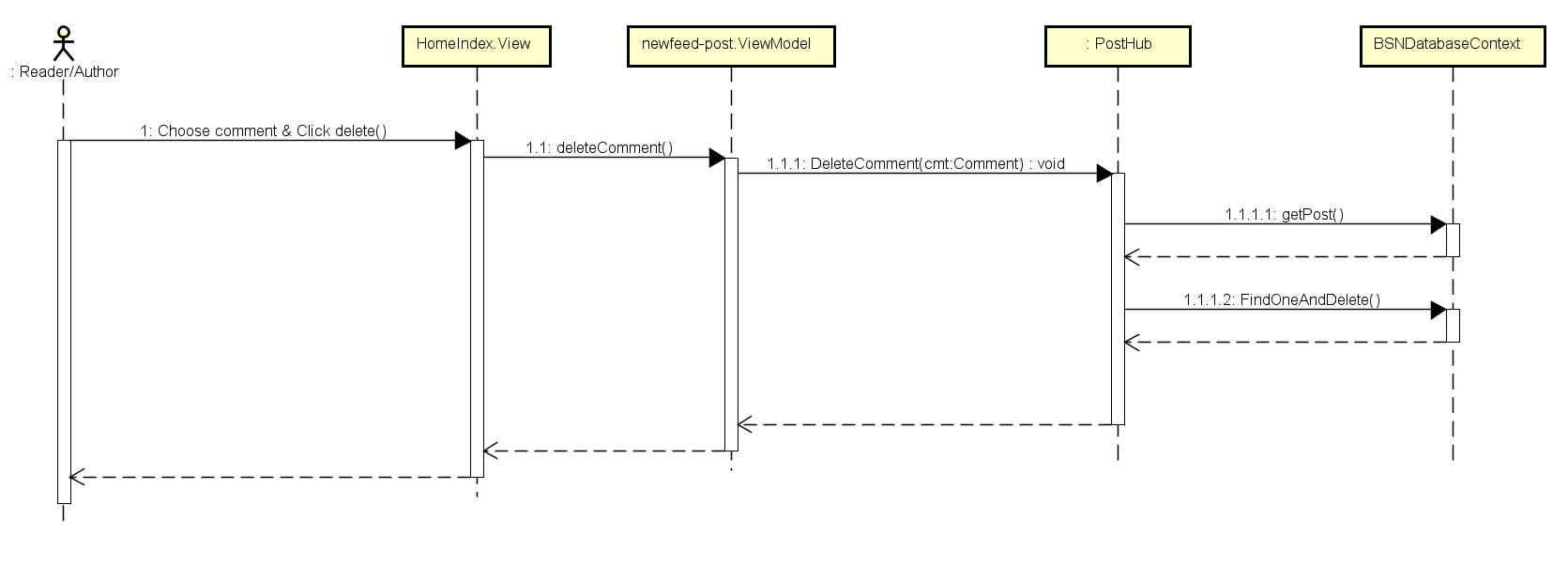


Figure ‑: Delete Comment Sequence Diagram

### 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

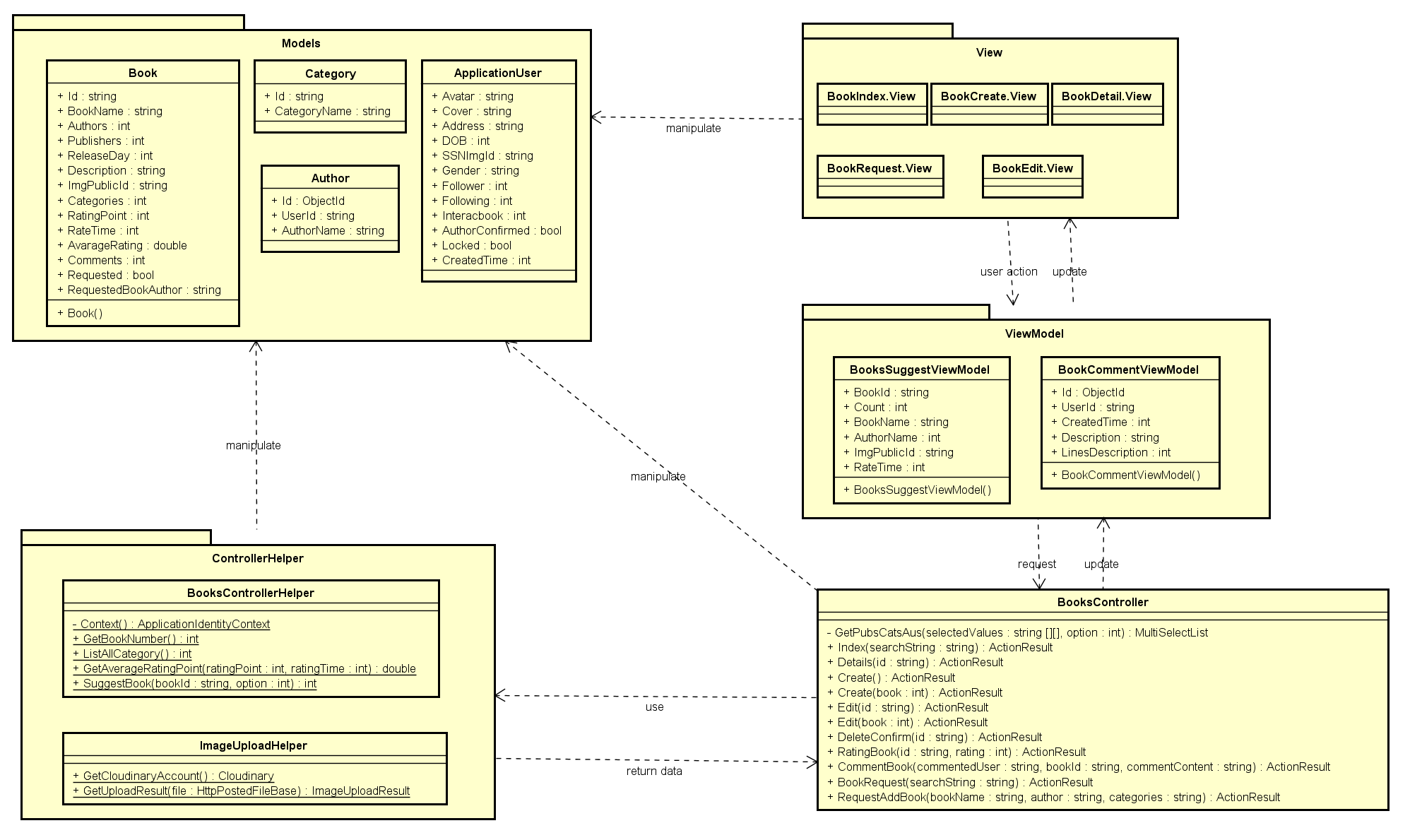


Figure ‑: Book Management Class Diagram

#### Sequence diagram

##### Add a new book

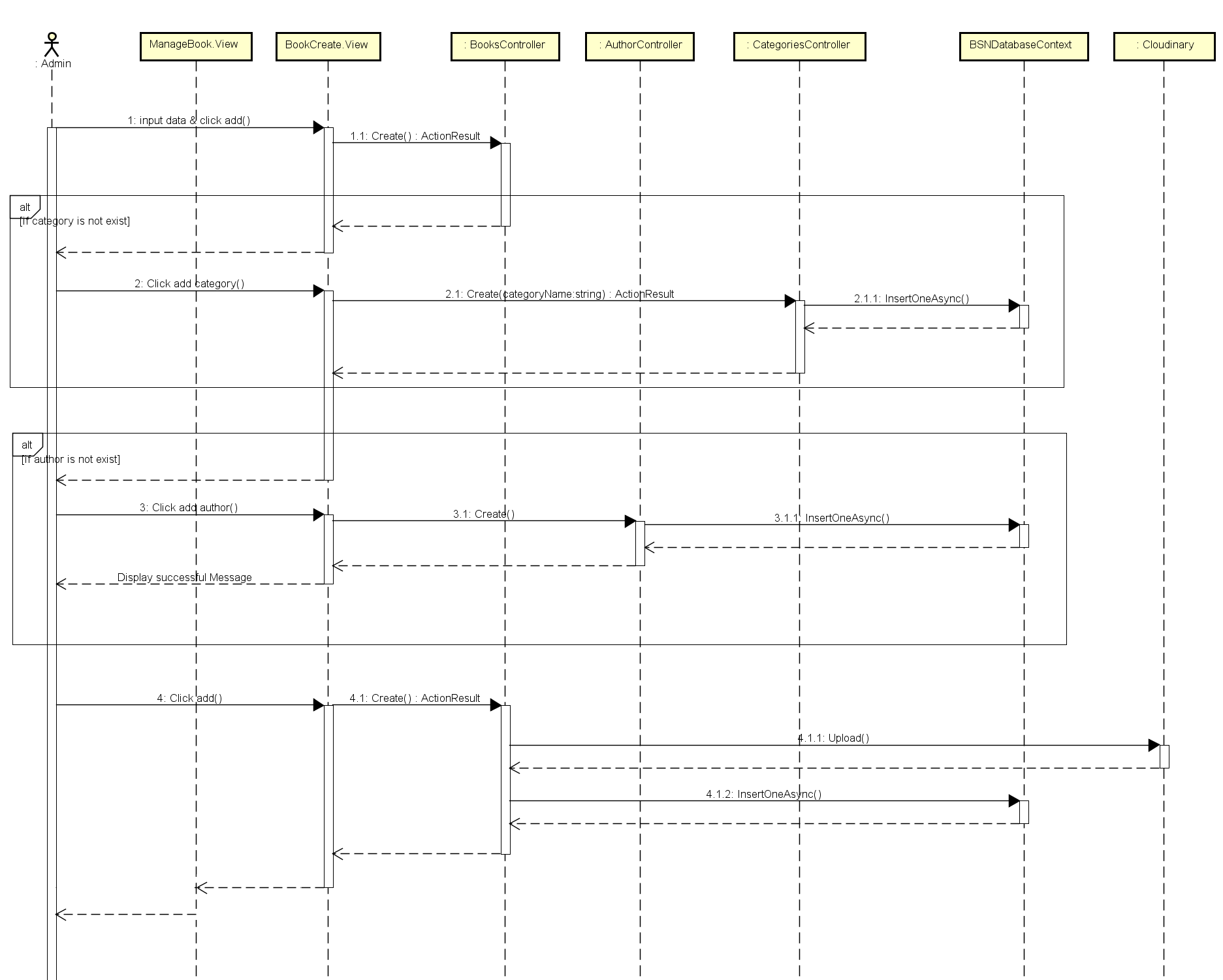


Figure ‑: Add Book Sequence Diagram

##### Add a new Category

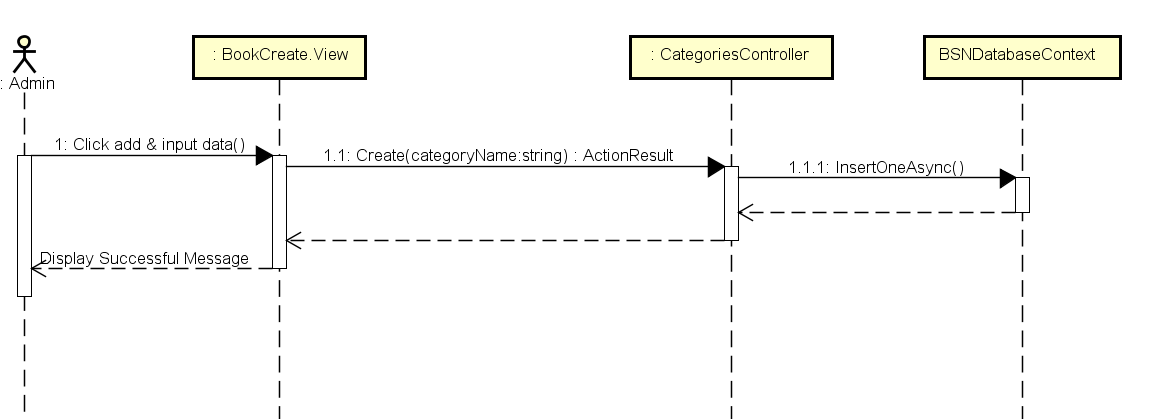


Figure ‑: Add Category Sequence Diagram

##### Add an author

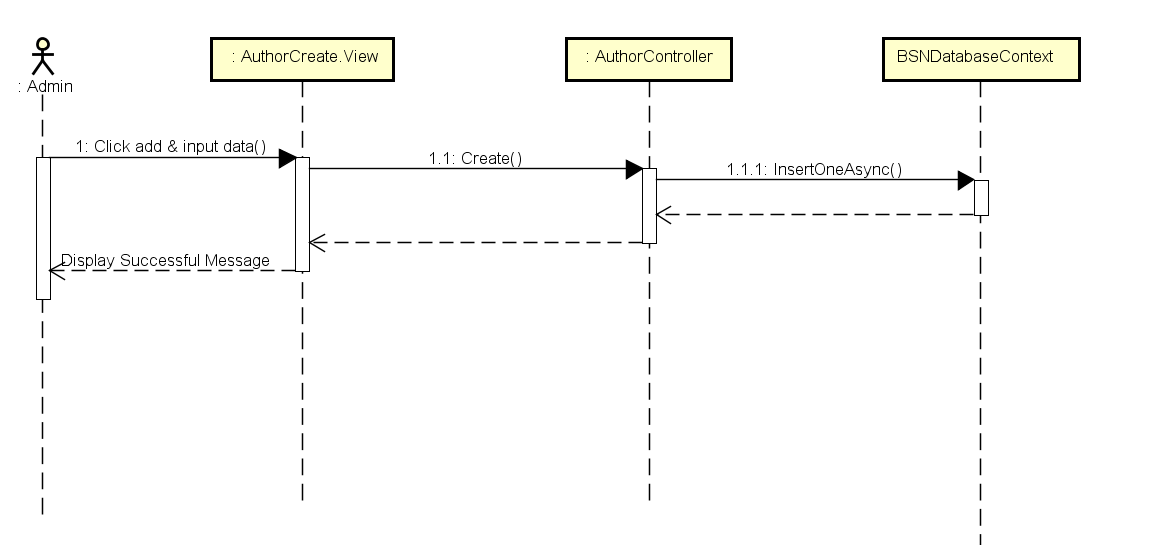


Figure ‑: Add Author Sequence Diagram

##### Edit book's information

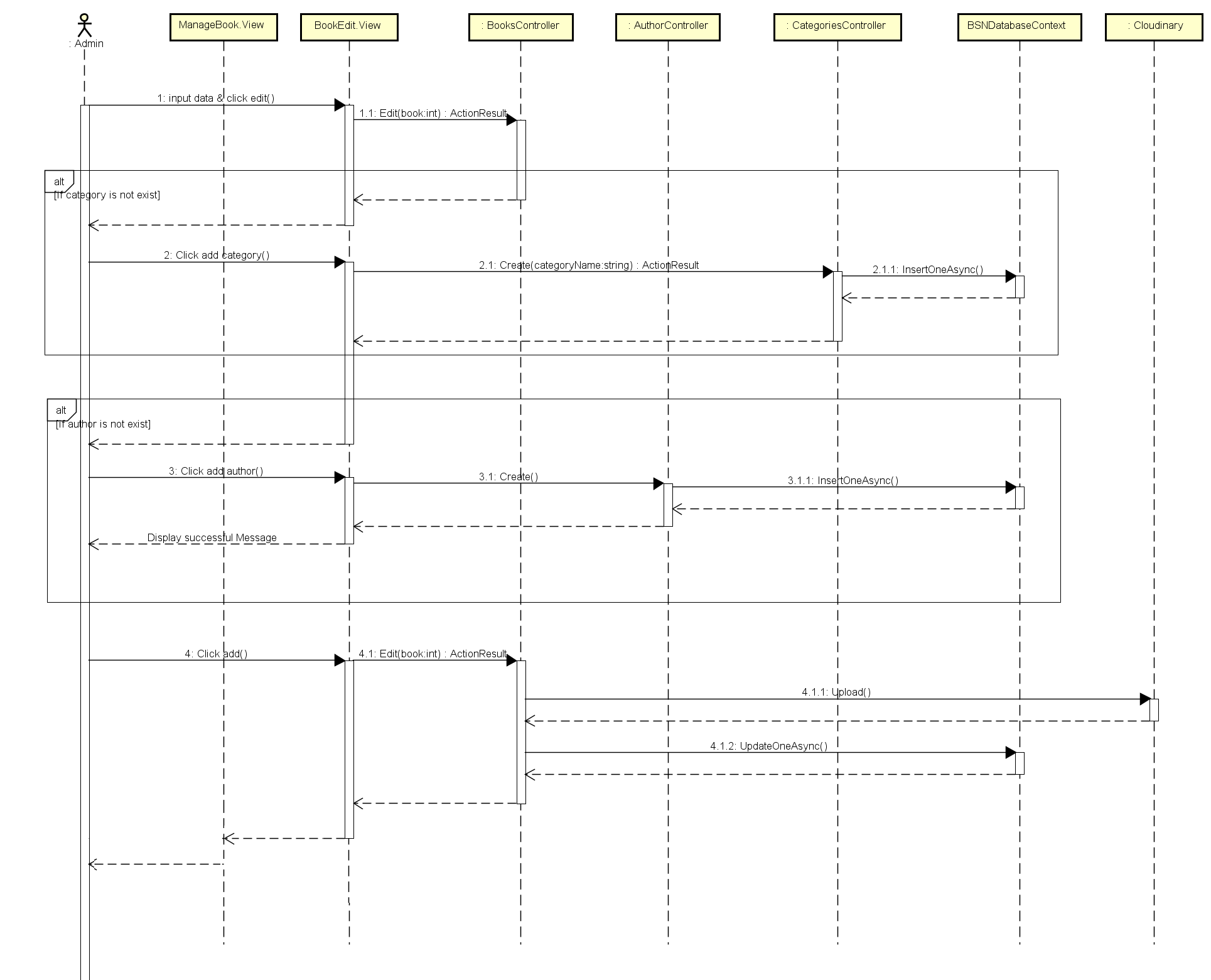


Figure ‑: Edit Book Sequence Diagram

##### Accept add-book request

##### Decline add-book request

### Sliders Management

#### Class diagram

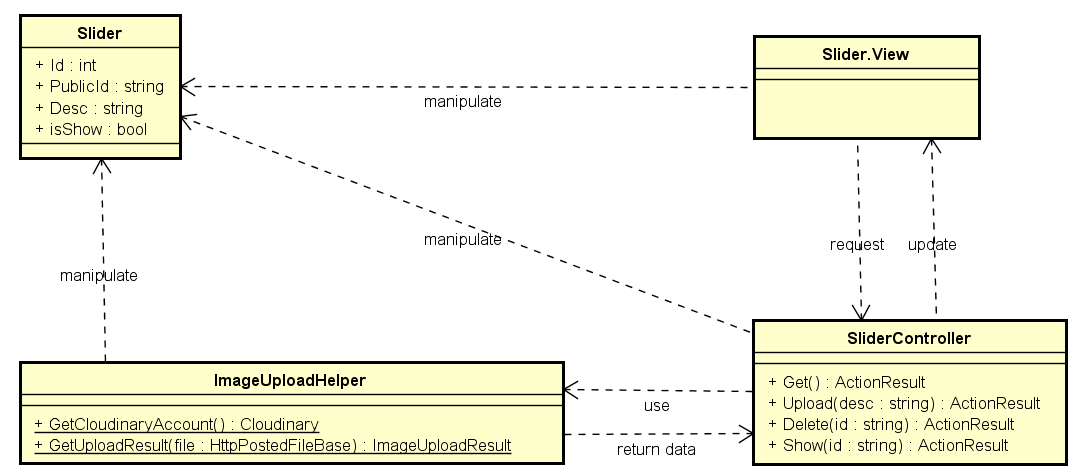


Figure ‑: Slider Management Class Diagram

#### Sequence diagram

##### Add a slider

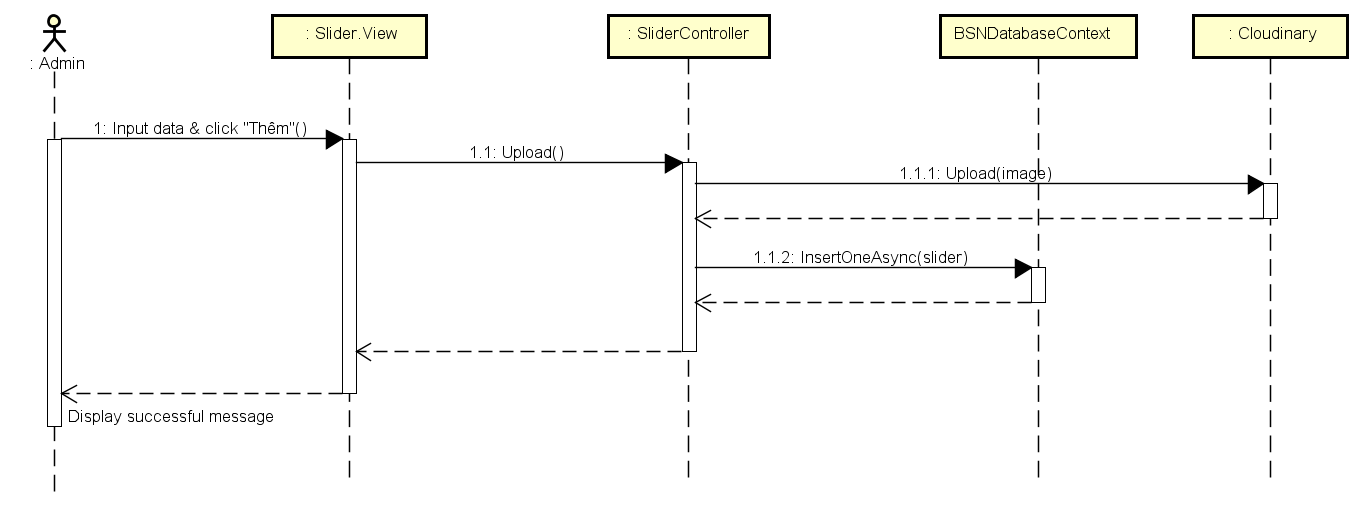


Figure ‑: Add Slider Sequence Diagram

##### Delete a slider

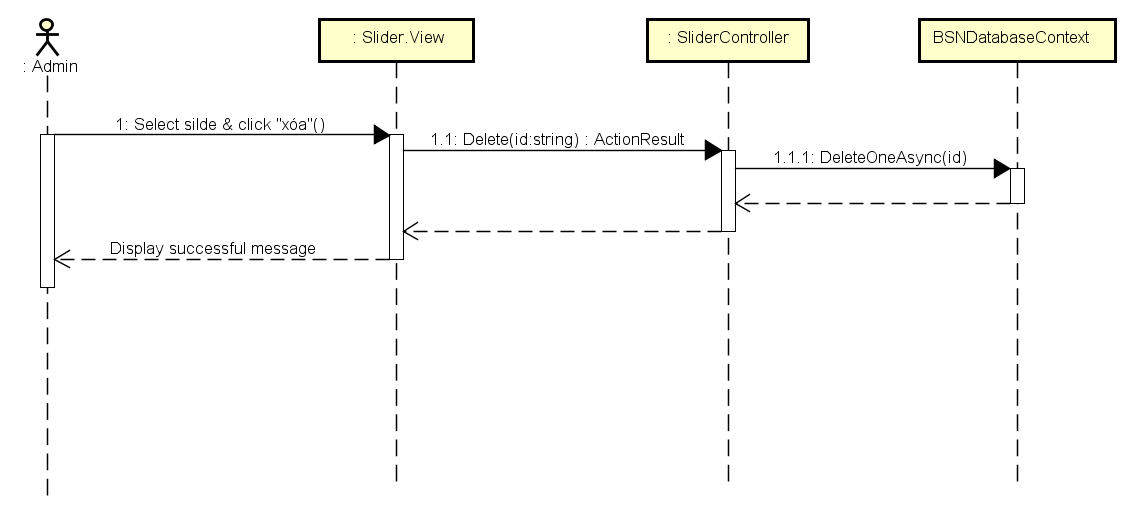


Figure ‑: Delete Slider Sequence Diagram

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

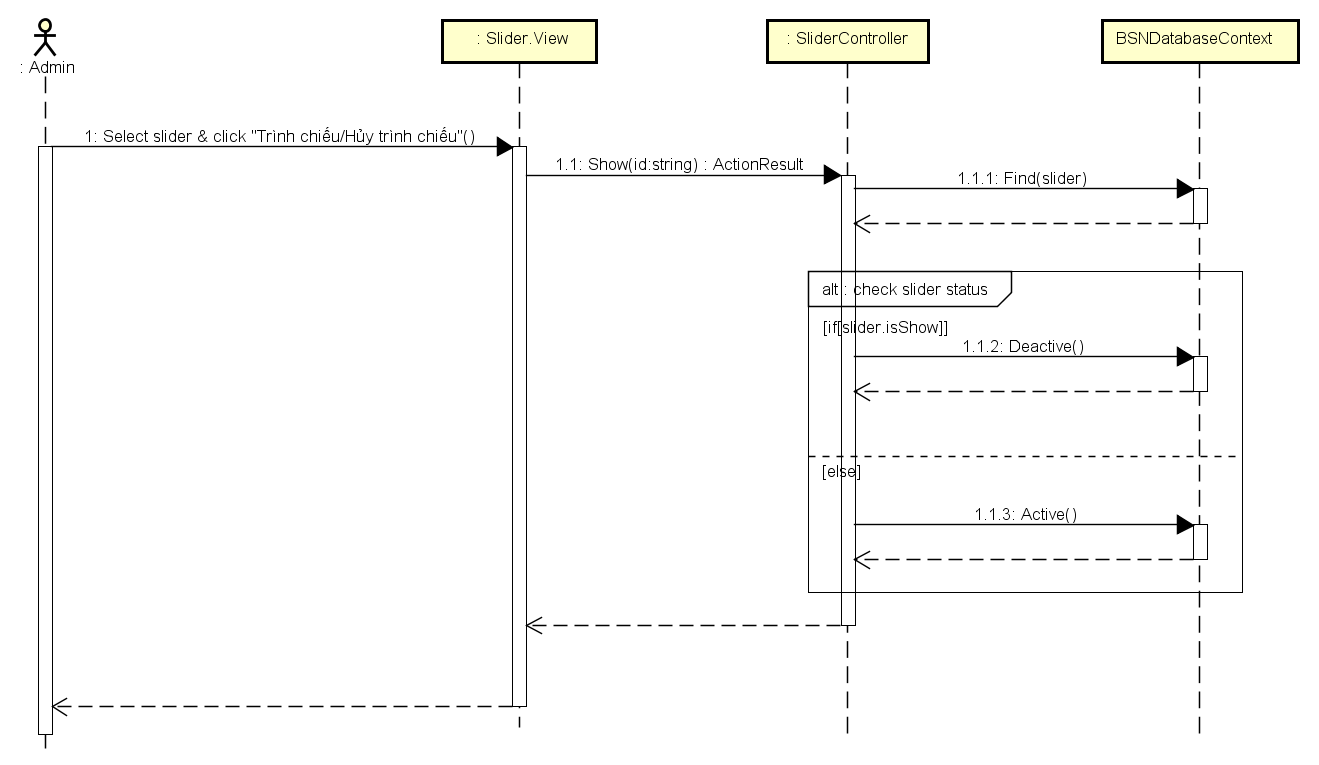


Figure ‑: Active/De-active Slider Sequence Diagram

##### Show sliders

### Publishers Management

#### Class diagram

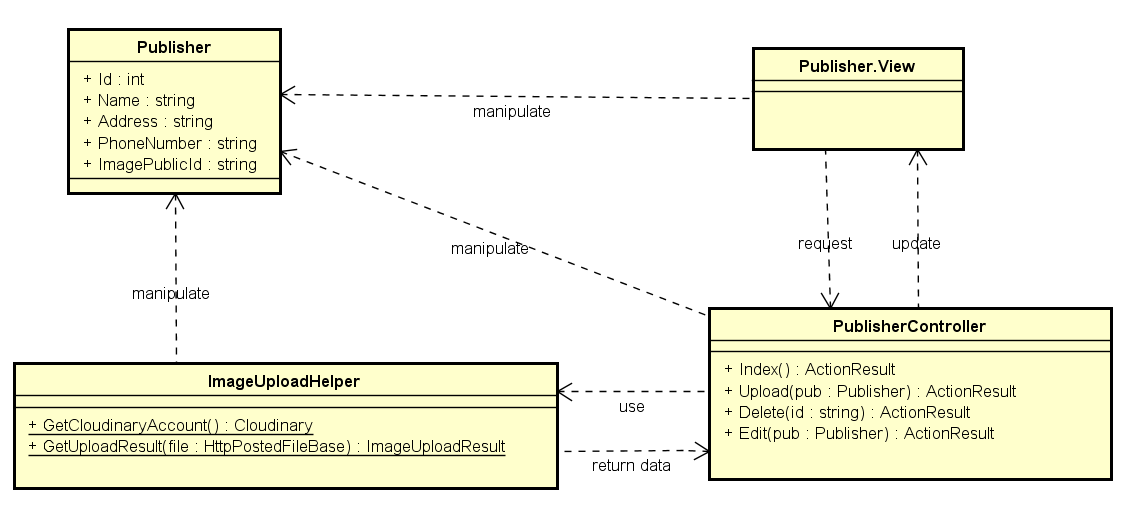


Figure ‑: Publisher Management

#### Sequence diagram

##### Add a new publisher

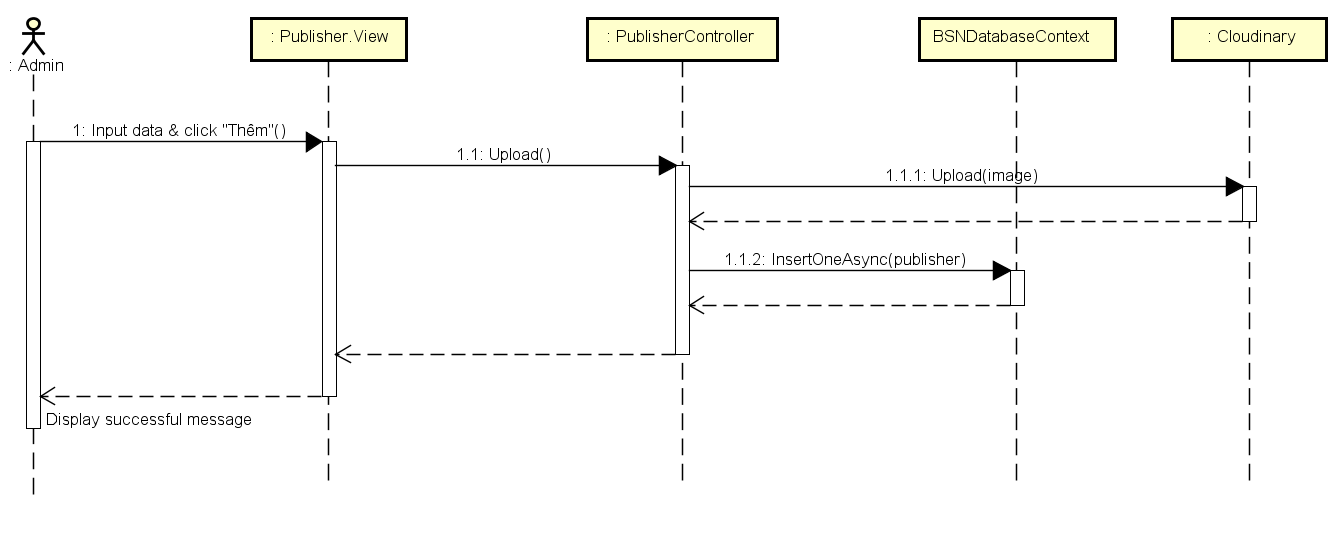


Figure ‑: Add publisher Sequence Diagram

##### Edit publisher' information

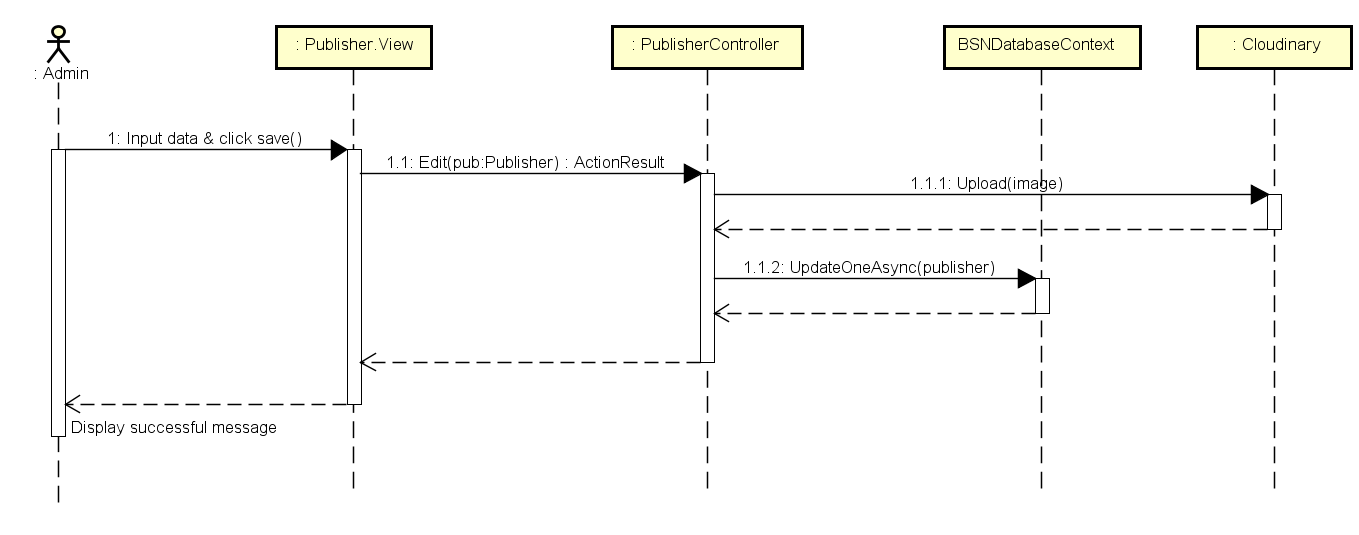


Figure ‑: Edit Publisher Sequence Diagram

##### Delete a publisher

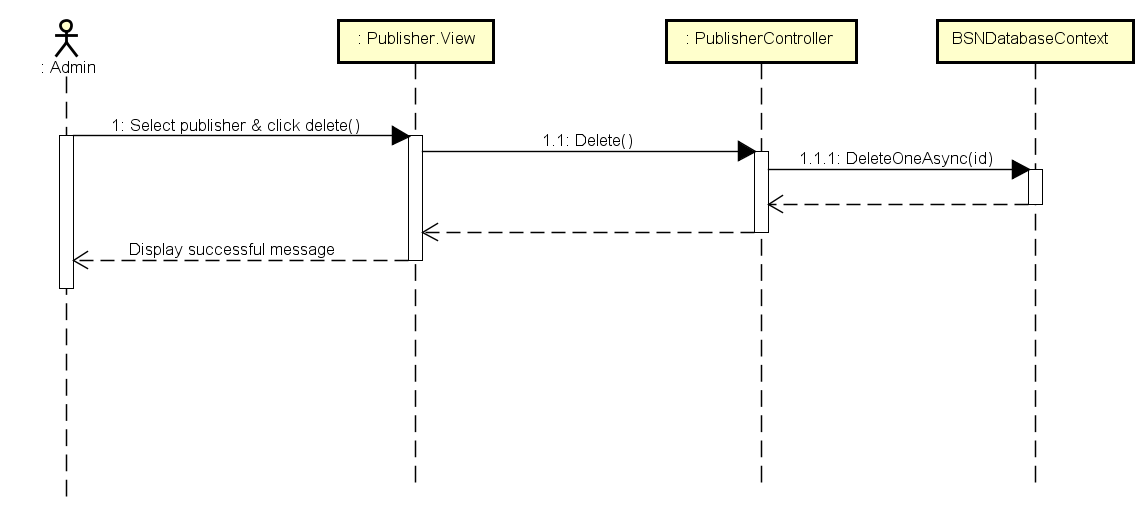


Figure ‑: Delete Publisher Sequence Diagram

### Statistics