

**Document**  
**Software Requirement Specification**  
**LOST AND FOUND WEBSITE**


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		<i>SKPL-001</i>		<b>1/#53</b>
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Tabel 1 Name and number policy  
Tabel 2 User Charateristic

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# 1 Introduction

## 1.1 Purpose

This document contains the Software Requirements Specification (SRS) for Lost and Found website system. The purpose of writing this document is to provide an explanation of the results about the software to be built either in the form of a general overview as well as detailed and thorough explanations.

This document will be used as reference material in the process of development and evaluation materials during the process of software development as well as the end of development. With the SRS document it is expected software development will be directed and focused and do not give rise to ambiguity, especially for software developers of lost and found website system.

## 1.2 Scope

The software that is being built is Lost and Found website Informatics Engineering ITS, namely in the form of software is a desktop web information system that is used to share information about lost item you may found in Informatics Engineering ITS.

The built system can do the following things:

- 1) Collect photos of missing item that found in Informatics ITS
- 2) Search for missing item in Informatics ITS
- 3) Claim missing belonging's in Informatics ITS

With this system, we expected people in Informatics ITS can easily find their missing belongings or tell if they found one.

## 1.3 Definitions, Acronyms, and Abbreviations

Beehold are list of important definition and term that is used in this SRS document:

- o SRS : *Software Requirements Specification*  
Document of resulted analysis that contain software requirement specification.

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#### 1.4 Name and number policy

Writing this SRS document using a variety of naming and numbering rules are different for certain parts. Naming and numbering used by it / The sections are as listed in Table 1 below.

**Tabel 1 Name and number policy**

Case/Part	Numbering/Naming Rules
Functional Need	SRS-FXX : Shows the XX functional needs
Non Functional Needs	SRS-NFXX : Shows the XX non functional needs
Functional Needs Summary	SRS-Fxxx where xxx is three digit integer starts from 000
Non Functional Needs Summary	SKPL-NFxxx where xxx is three digit integer starts from 000

#### 1.5 Reference

The documents used as a reference in making this SRS are as follows:

- 1) Document *Software Requirement Specification (SRS)* – IEEE 1999 by Karl E. Wiegers.
- 2) Panduan Penggunaan dan Pengisian Spesifikasi Perangkat Lunak (SKPL), Informatics Engineering Department, Sepuluh November Institute of Technology. Ikhtisar Dokumen

This document outlines consists of three chapters with the following details:

- Chapter 1 Introduction, an introduction to this SRS document that contains the purpose of writing the document, the scope of the problem, also contains definitions and terms used as well as a general description of the document which is a summary of SRS document.
- Chapter 2 Software Global Description, define the perspective of software products as well as assumptions and dependencies that are used in the development of Scholarships Registration System.
- Chapter 3 Detailed Description of Requirement, describing the special needs of Scholarship Registration System, which includes an external interface requirements, functionality requirements, performance requirements, design constraints, attributes of software systems, and other needs of the Scholarship Registration System.

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## 2 Overall Software Description

### 2.1 System Description

Lost and found website is a system that hold information of missing item that found in Informatics ITS. In this system we have two users connected to the system, first is the founder or owner of an missing item (USER) and Item claim confirmator (Admin).

Users able to post and also claim their belongings, and admin able to verified and deleting claimed post. This system is accesible for everyone who lost or found items.

The software system is built has a few main parts by the user, which is as follows:

- 1) From the item founder or owner side, system able to handle multiple process(uploading picture / claiming item) at one time. System also able to provide searching to make them easier finding their's item.
- 2) From the admin side, system can handle multiple claim process at one time, and have protection for the verification process, thus only admin able to done it.

### 2.2 User Charateristics

User characteristic of the Scholarship Information System is defined on this table :

**Tabel 2 User Charateristic**

No	User Category	Role	Access Rights to Application	Prerequisite Ability
1.	Website Administrator	Manage claim verification	Able to valid a claim and also delete a post	1.Should be able to operate PC 2.Should be able to operate web and database
2.	Founder or Owner	Post and claim item	Able to claim, post and search for lost item	1.Should be able to operate PC 2.Should be able to use web browser application

### 2.3 Boundary

Developing the Scholarship Application System has several boundary including:

1. Application Scholarship Information System are created using HTML, ASP C# programming language.
2. Interface is just displaying a simple menu.
3. The limitations of the hardware used, for example, limited memory capacity, storage capacity is limited, and input only in the form of text and numbers, as well as some of the characters.
4. Supporting software that may be used including DBMS SQL-Server, Visual Studio 2012, Notepad++ dan Sublime text 3.

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## 2.4 *Operation Enviroment*

The Application Scholarship Information Sysystem will run on the system specification :

System operation platform : Microsoft Windows

System Operation Version : Windows Server 2003/XP SP2/Vista/7/8/10

DBMS : SQL-Server

Framework : HTML dan ASP C#

## 3 Overall Requirements Descriptions

### 3.1 *Kebutuhan antarmuka eksternal*

#### 3.1.1 User Interfaces

User could input data from keyboard and mouse that is used with windows operating system.

#### 3.1.2 Hardware Interfaces

All of the pc that is installed with operation system has to be connected on the LAN/Wifi.

#### 3.1.3 Software Interfaces

Built from HTML, ASP C# , SQL-Server programming language and will run on windows operating system.

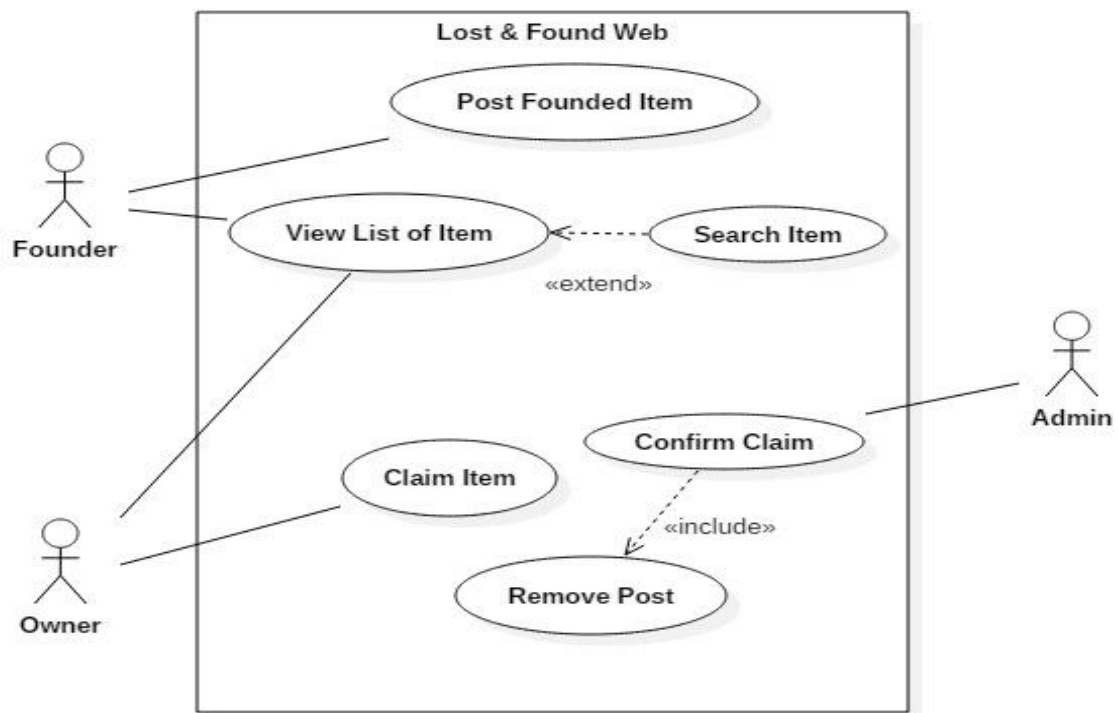
#### 3.1.4 Comunication Interfaces

System will connect to the internet.

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### 3.2 Deskripsi Fungsional

#### 3.2.1 Use Case Diagram



Picture no 1. Use Case Diagram

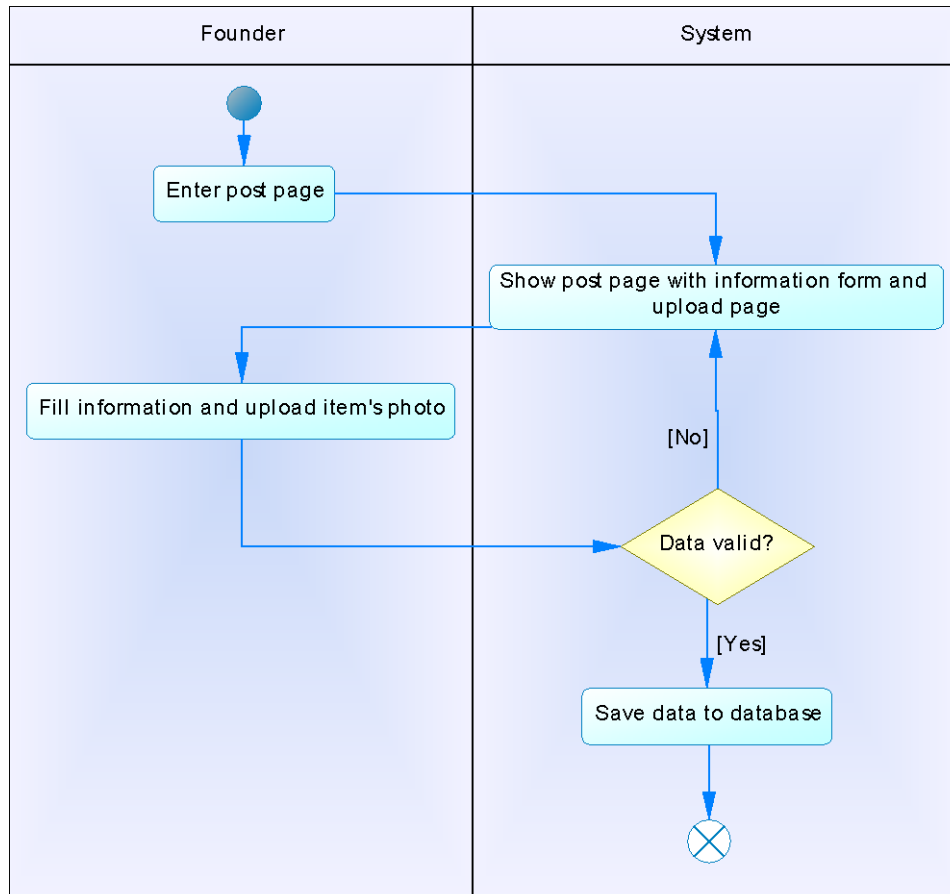
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### 3.2.2 Function 1: Post founded Item

#### 3.2.2.1 Scenario: Post founded item

Use Case Code	UC 001
Use Case Name	Post Founded Item
Actor	Founder
Description	This use case is for people to post a missing item that they found so the other user know..
Relation	-
Initial State	Someone found a missing item
Final State	The missing item posted in lost & found web
Normal Flow of Event	
Main Flow	
Actor	System
1. Founder enter post page  3. Founder enter information of the missing item and upload photo of the missing item	2. System show post page with information form and upload place  4. System add the missing item's post based on the information the founder give A1. Data not valid 5. Done
Alternative flow	
A1. Data not valid	
Actor	System
A1.2 Founder get the notification and then click "OK" button	A1.1 System give notification that the data is not valid  A1.3 System back to Main flow number 2

### 3.2.2.2 Activity Diagram: Post founded item



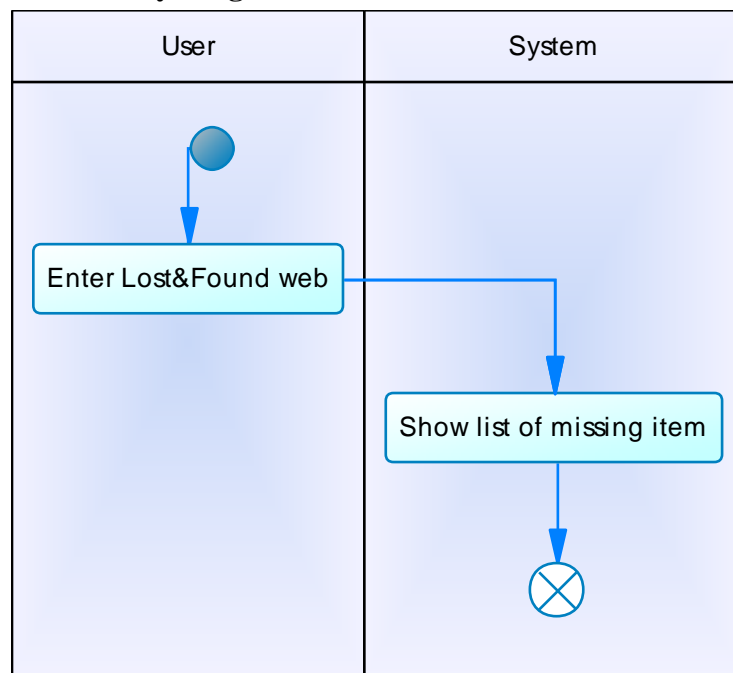
Picture no 2. Activity Diagram “Post founded item”

### 3.2.3 Function 2: View list of items

#### 3.2.3.1 Scenario: View list of items

Use Case Code	UC 002
Use Case Name	View list of items
Actor	User
Description	This use case is for people or user to see list of item that is missing.
Relation	-
Initial State	User open lost & found web
Final State	User see list of missing stuff
Normal Flow of Event	
Actor	System
1.User enter lost & found web	2.System show list of missing item 3. Done

#### 3.2.3.2 Activity Diagram: View list of items



Picture no 3. Activity Diagram”View list of items”

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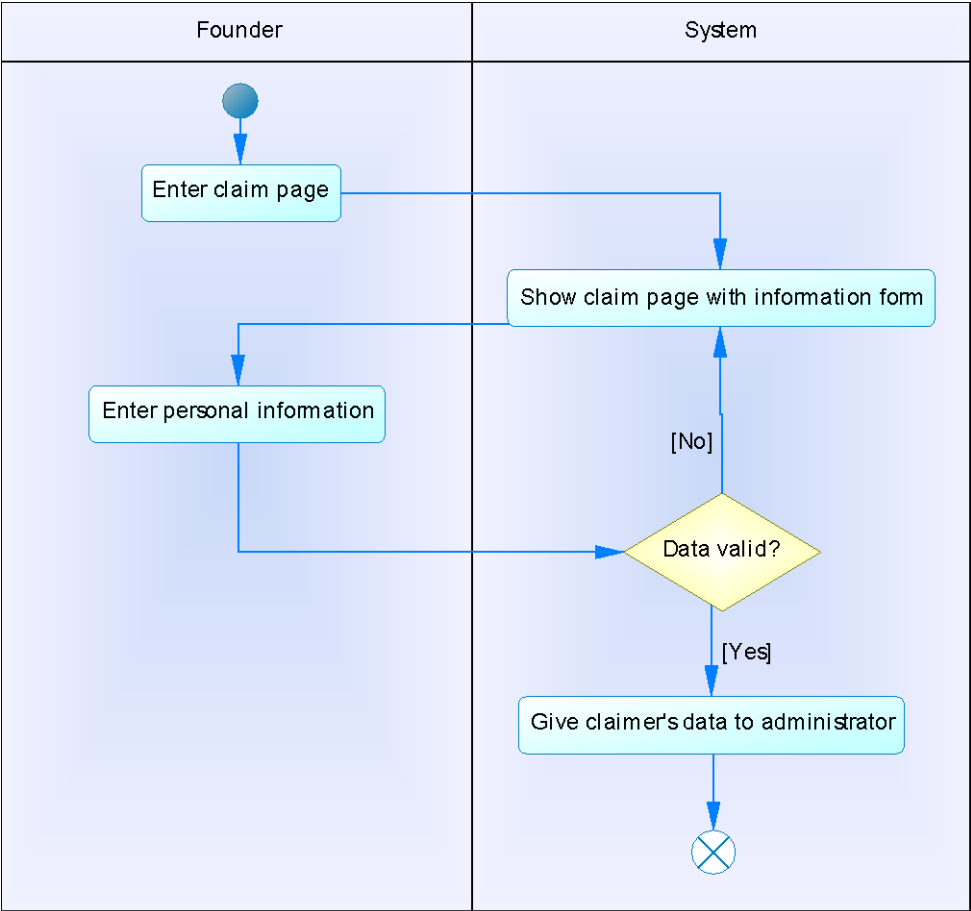
### 3.2.4 Function 3: Claim item

#### 3.2.4.1 Scenario: Claim item

Use Case Code	UC 003
Use Case Name	Claim Item
Actor	Founder
Description	This use case is for owner to claim their missing item.
Relation	-
Initial State	Owner found their missing item from the list
Final State	Claim's info goes to administrator page
Normal Flow of Event	
Actor	System
1. Owner enter claim page  3.Owner enter personal information	2.System show claim page with information form  4. System give the claimer's data to admin A1.Data not valid 5. Done
Alternative flow	
A1. Data not valid	
Actor	System
A1.2 Owner get the notification and then click "OK" button	A1.1 System give notification that the data is not valid  A1.3 System back to Main flow number 2



3.2.4.2      **Activity Diagram: Claim item**



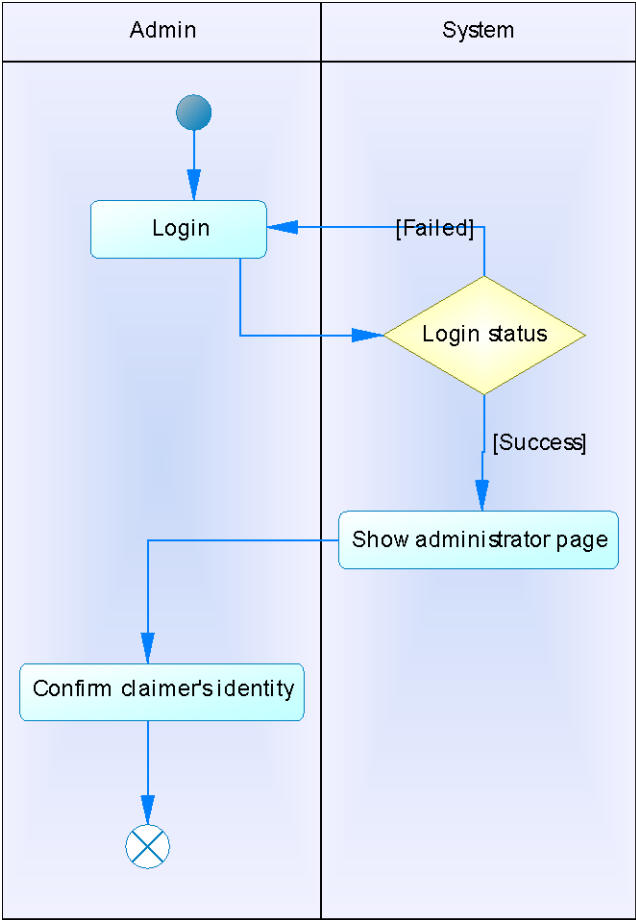
Picture no 4. Activity Diagram”Claim item”

### 3.2.5 Function 4: Confirm Claim

#### 3.2.5.1 Scenario: Confirm Claim

Use Case Code	UC 004
Use Case Name	Confirm Claim
Actor	Admin
Description	This use case is for admin to confirm claim submitted by owner.
Relation	-
Initial State	Owner claim their item
Final State	Admin confirm claimer's identity
Normal Flow of Event	
Actor	System
1. Admin login as administrator	2. System verified if he/she is an admin A1. Data not valid 3. System show administrator pages
4. Admin confirm claimer's identity	5. Done
Alternative Flow	
A1. Data not valid	
Actor	System
A1.2 Admin get the notification and then click "OK" button	A1.1 System give notification that the data is not valid  A1.3 System back to Main flow number 1

3.2.5.2 Activity Diagram: Confirm Claim



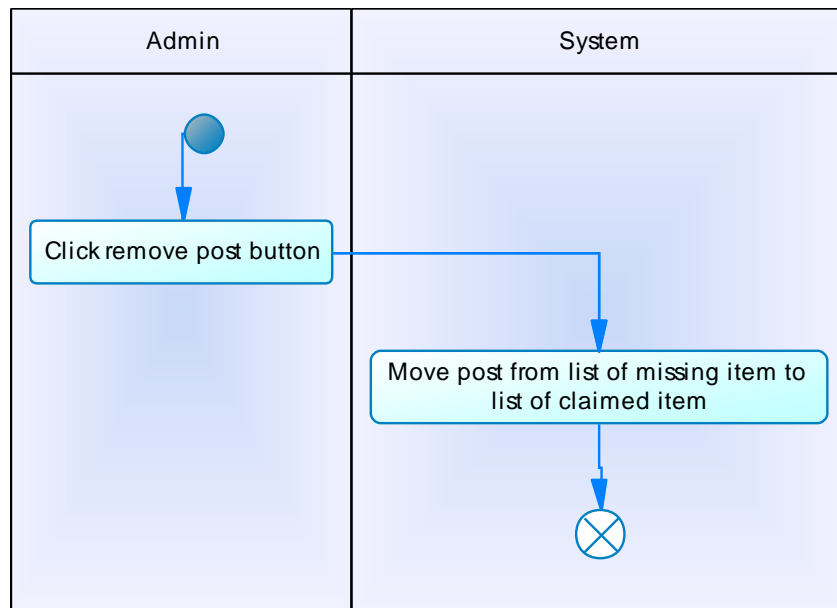
Picture no 5. Activity Diagram”Confirm Claim”

### 3.2.6 Function 5: Remove post

#### 3.2.6.1 Scenario: Remove post

Use Case Code	UC 005
Use Case Name	Remove post
Actor	Admin
Description	This use case is for admin to remove post of missing stuff that have been claimed.
Relation	Include
Initial State	Claimed item confirmed by admin
Final State	Claimed item post moved from list of missing item to list of claimed item
Main Flow	
Actor	System
1. Administrator click remove post button	2. System move the post from list of missing item to list of claimed item 3. Done

#### 3.2.6.2 Activity Diagram: Remove post

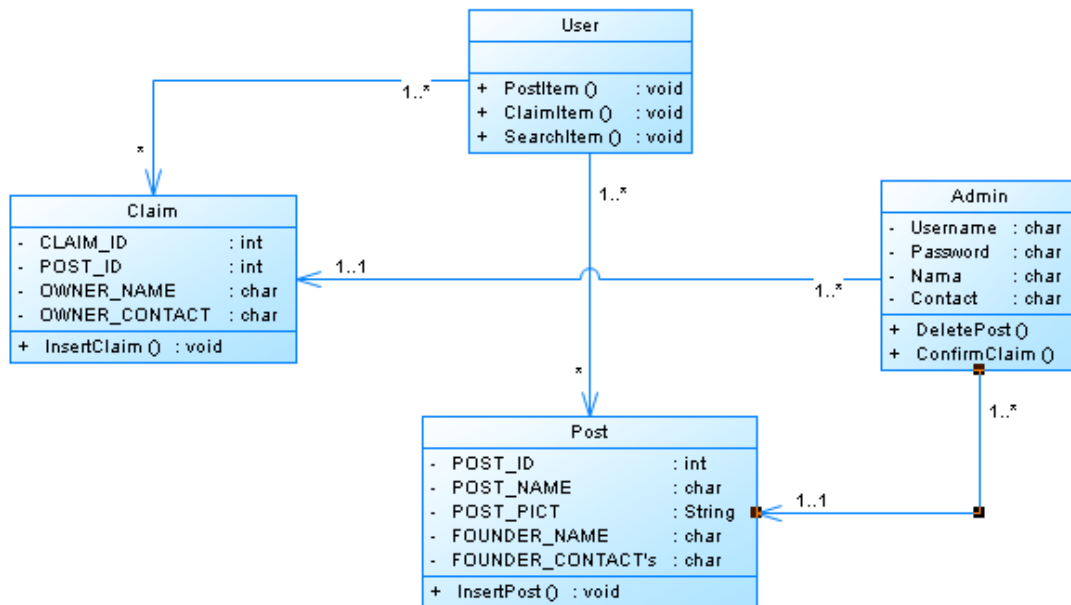


Picture no 6.Activity Diagram”Remove post”

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### 3.3 Class Description

#### 3.3.1 Class Diagram



Picture no 12. Class Diagram