
Software Requirements Specification

for

Pakistan Vaping Community

Version 1.0

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07/05/2020

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Revision History

Name	Date	Reason for changes	Version
Sir Zeeshan	8-June-2020	Activity Diagram, System Architecture Not Available	0.0

1 Introduction

1.1 Purpose

Purpose is to bring all the vaper's enthusiastic on one platform which are 18+ of age. There's a lot of lack in the knowledge of new vaper's when they switch from smoking to vaping, they end up harming themselves, instead of benefitting from vaping. The main purpose of Pakistan vaping community is to spread the awareness of harm that smoking bring with it and provide away for smokers to smoking cessation. Users can discuss about their experiences of smoking and what harm they face because of smoking and how they successfully quit smoking. Which methods or techniques they applied for the cessation or what alternate they use which help them in the process, on this platform they can discuss about various techniques, technology and safety of vaping.

1.2 Document Conventions

SRS	Software requirement specification
DB	Database
ER	Entity relationship

1.3 Intended Audience and Reading Suggestions

This project is about the Pakistan vaping community. Intended audience are my university teachers and developers. This project has been developed and implemented under the supervision of my teachers. This project is useful for smoking cessation.

1.4 Product Scope

A social platform where the user will post an image related to the facing problem or sharing a useful information visually. User will describe the facing problem or piece of advice through the status. User will be provided with an article section where the user will read articles on different topic which will be useful for the user to understand the different technology and technique about vaping which are beneficial for the users and which are more harmful. Users will also discuss

about their experience with those users whom are facing the same problem by commenting on their status and for farther communication both users will also add each other on the platform.

1.5 References

<https://app.creately.com/> For use case diagram and Process flow diagram.

<https://mockflow.com/> For user interface design.

<https://app.genmymodel.com/> For sequence diagram.

<https://online.visual-paradigm.com/> For Data flow diagram.

<https://cloud.smartdraw.com/> For activity diagram

<https://cloud.smartdraw.com/> For system diagram.

<https://erdplus.com/> For entity relationship diagram (ERD).

<https://sqldbm.com/> For schema diagram.

<https://vapingcommunity.co.uk/> Reference for project.

2 Overall Description

2.1 Product Perspective

2.1.1 User information

DB stores the user personal information like birthday to make sure the user is 18+ and user name and email.

2.1.2 User data

DB stores the user data which the user upload on the platform like images and text.

2.2 Product Functions

This platform contains function like a social network. The user can share his thought and the problem facing during the cessation. A user can contact other user via private massaging. A section where the user can read articles about the related topic.

- Post images
- Post text
- Message someone privately
- Leave a comment
- Articles to read

2.3 User Classes and Characteristics

2.3.1 Social network users

The social network user can edit this profile according to their self and can post images on his wall including his thought via text. A social network user can leave a comment on their post or others and a user can also contact another user via private massaging.

2.3.2 Social network admin

The social network admin has the privileges to delete a user or user post and comment under circumstances. The admin can see how many users are active on the platform, how many are registered, total number of comments and post are available on the platform.

2.3.3 Article reader

Article reader will have the privilege to leave a comment on the article.

2.3.4 Article editor

Article editor have the privileges to add, delete and edit the article. Editor can also add a new category for the article. Editor can also delete comments under circumstances. Editor can also view how many editors are currently registered on the platform.

2.3.5 Article admin

Article admin have all the privileges of article editor adding on the article admin can remove an article editor under circumstances.

2.4 Operating Environment

This project is web based the operating environment for the Pakistan vaping community is listed below:

- Distributed database.
- Server system.
- Operating system: Windows/Android/IOS
- Database language: MySQL
- Platform: php

2.5 Design and Implementation Constraints

The design of the website is responsive. A web browser which supports html, CSS and bootstrap can run the website on any device desktop or mobile. The design of the website is user friendly and minimalistic. Any user can understand the functionality just by reading the label provided on the web site.

For implementation this website is developed in php language and server-side MySQL. The constraints on implementing the website are the web browsers. without a web browser this website cannot be accessed.

2.6 User Documentation

2.6.1 Signup

A user has to signup first by registering on the platform, on signup page they have to put the necessary information to complete the process.

2.6.2 Login

After registration a user have to login through the login page by entering their email and password with which they registered on signup page.

2.6.3 Landing page

After login the user will be landed on the landing page of the platform from where the user can be navigated to the different functionality which the platform provides.

2.6.4 Profile

The user can edit their profile by uploading a cover photo and a profile pic. The user has the option to update their profile information according to their self which info they wanted to be published on the platform.

2.6.5 Status

User can put a status on their wall which can be shown on their wall and the platforms feed wall by choosing the status functionality given on the platform. There three types of status text with image, text and just image. If a user wants to upload an image the user has to click

on the select image button and select the Image file after selection a user can write any text with the image and upload it by clicking the upload button.

2.6.6 Articles

A user can read the article on the platform by navigating the menu and select the article tab to access the articles. A user can leave their thought on the article by leaving a comment on the article.

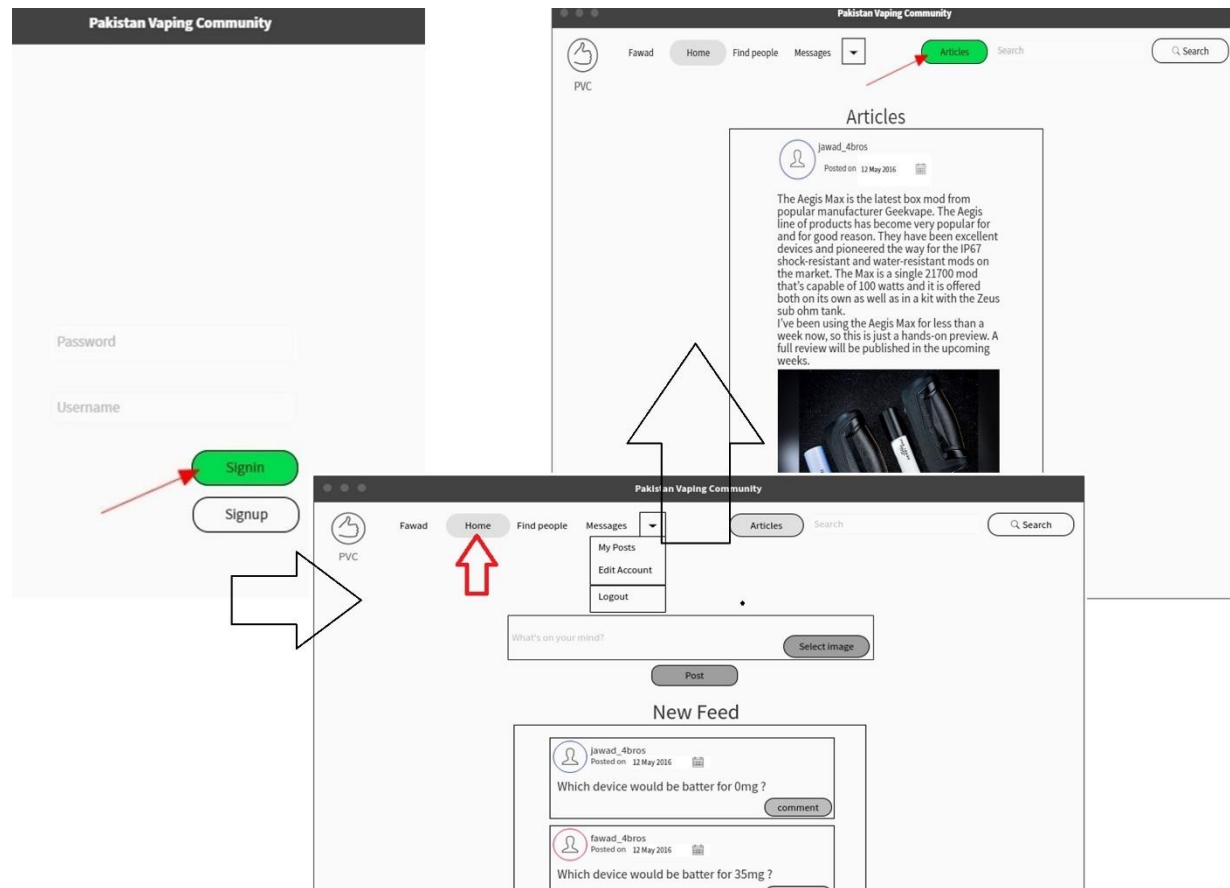
2.7 Assumptions Dependencies

It is assumed that the user is familiar with an internet browser and also familiar with handling the keyboard and mouse. Since the application is a web-based application there is a need for the internet browser. It is assumed that the users will have a decent internet connectivity. It is assumed that the user is familiar with web based social networking.

3 External Interface Requirements

3.1 User Interfaces

The user interface of this platform is super friendly there are no short keys. Every functionality is labeled for the user. The basic concept of the user interface is to keep the user interface minimalistic. The user interface is developed using Html, CSS and bootstrap.



3.2 Hardware Interfaces

A decent device which run an operation system (4gb ram, i3 processor Gen 6th) is enough for this website to run. Any portable device which can run a web browser (Google chrome, Firefox, opera, Microsoft edge, UC browser) can also be used. Such as android device with 4.1 version.

3.3 Software Interfaces

This platform requires a web browser to run. A web browser that supports html, CSS, bootstrap JavaScript and their library's.

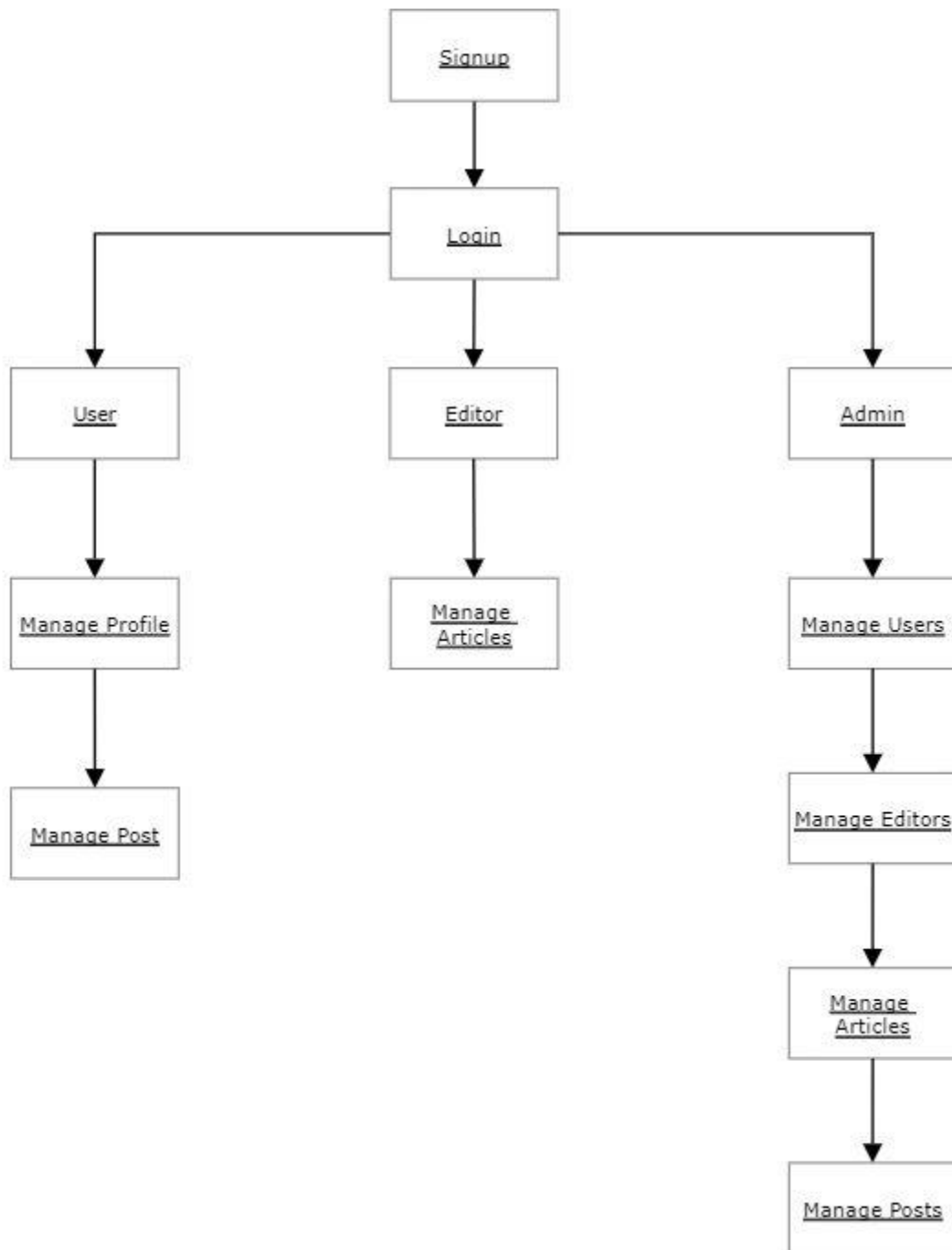
3.4 Communications Interfaces

This website supports all the barrowers currently available in the market.

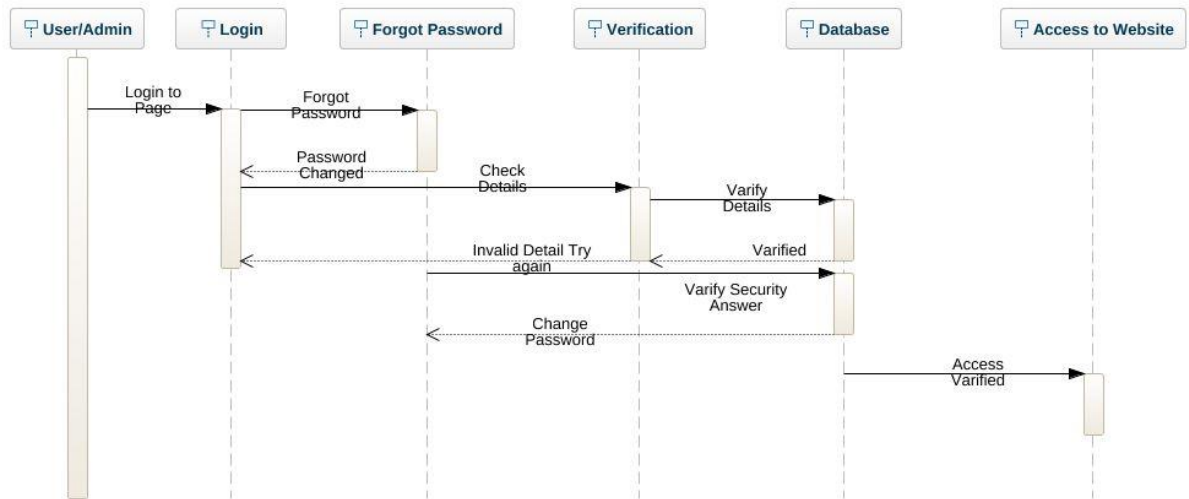
4 System Features

4.1 Proposed System

Proposed System

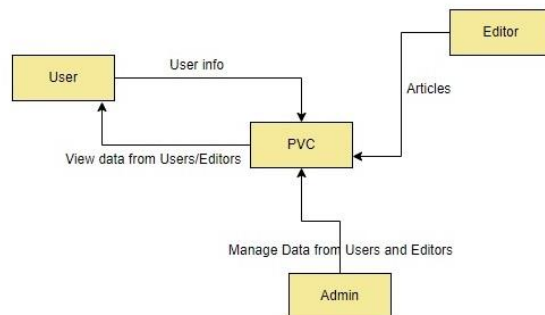


4.2 Sequence Diagram



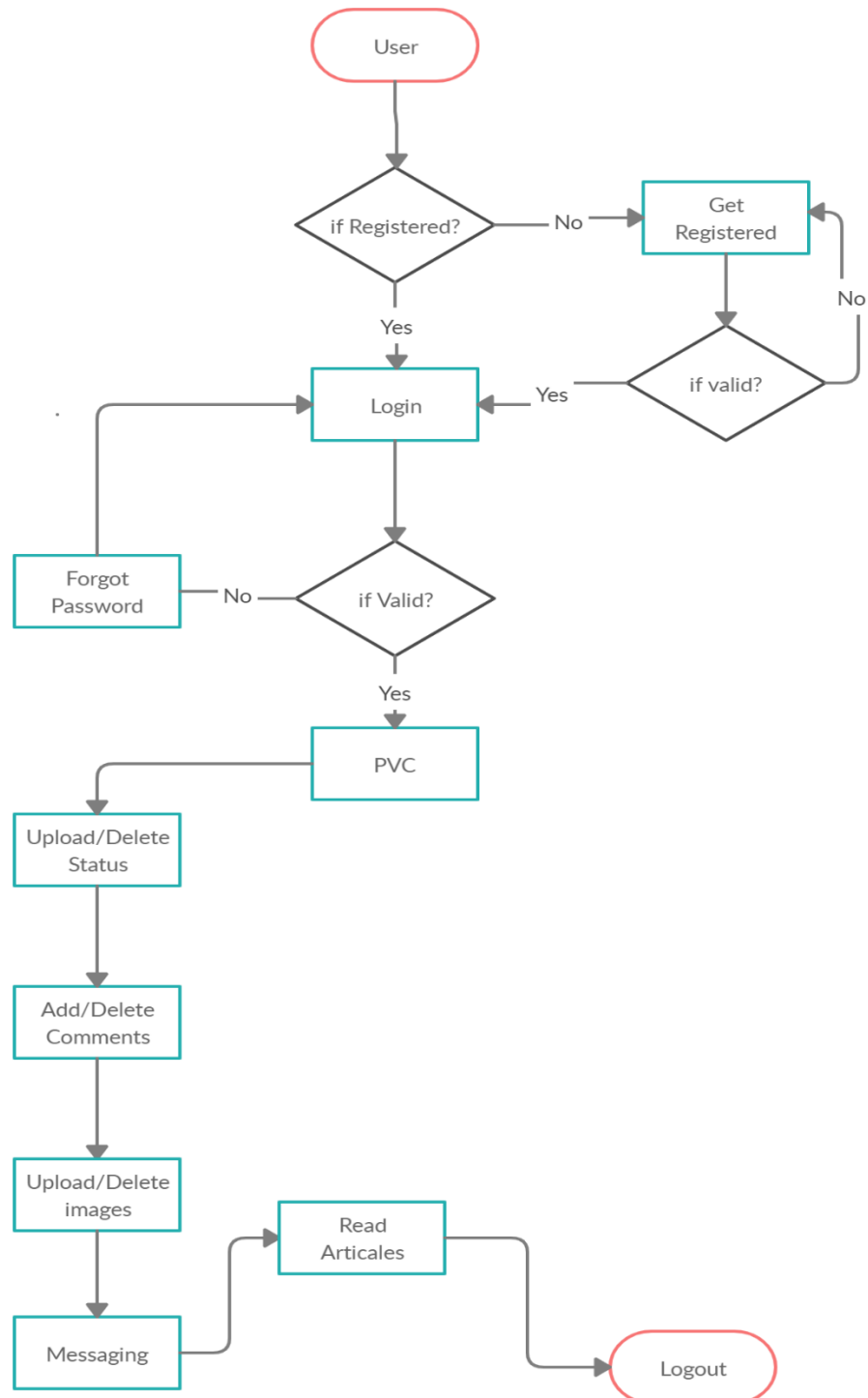
4.3 Data Flow Diagram

4.3.1 0-Level

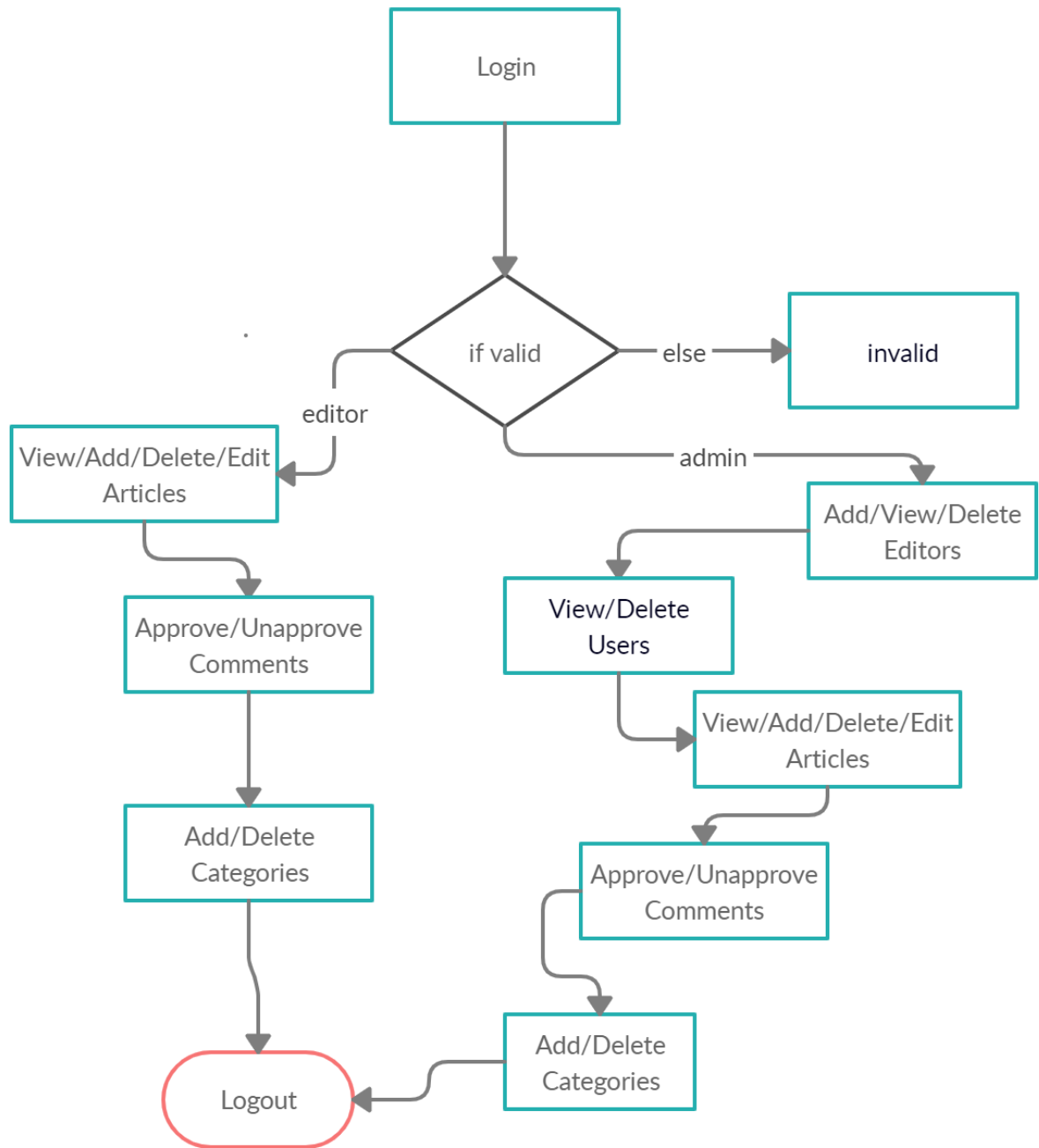


4.4 Process Flow Diagram

4.4.1 User

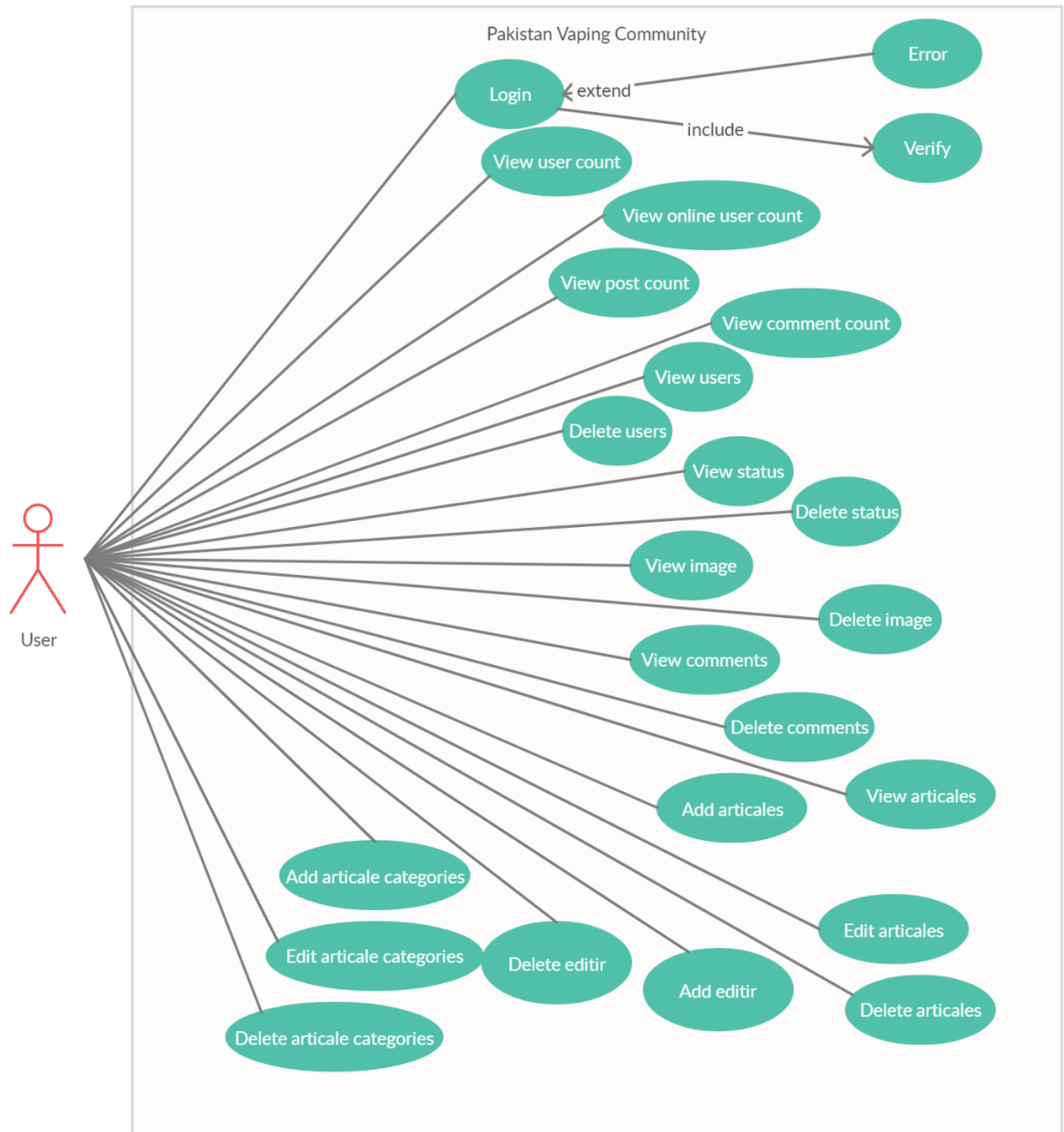


4.4.2 Panel

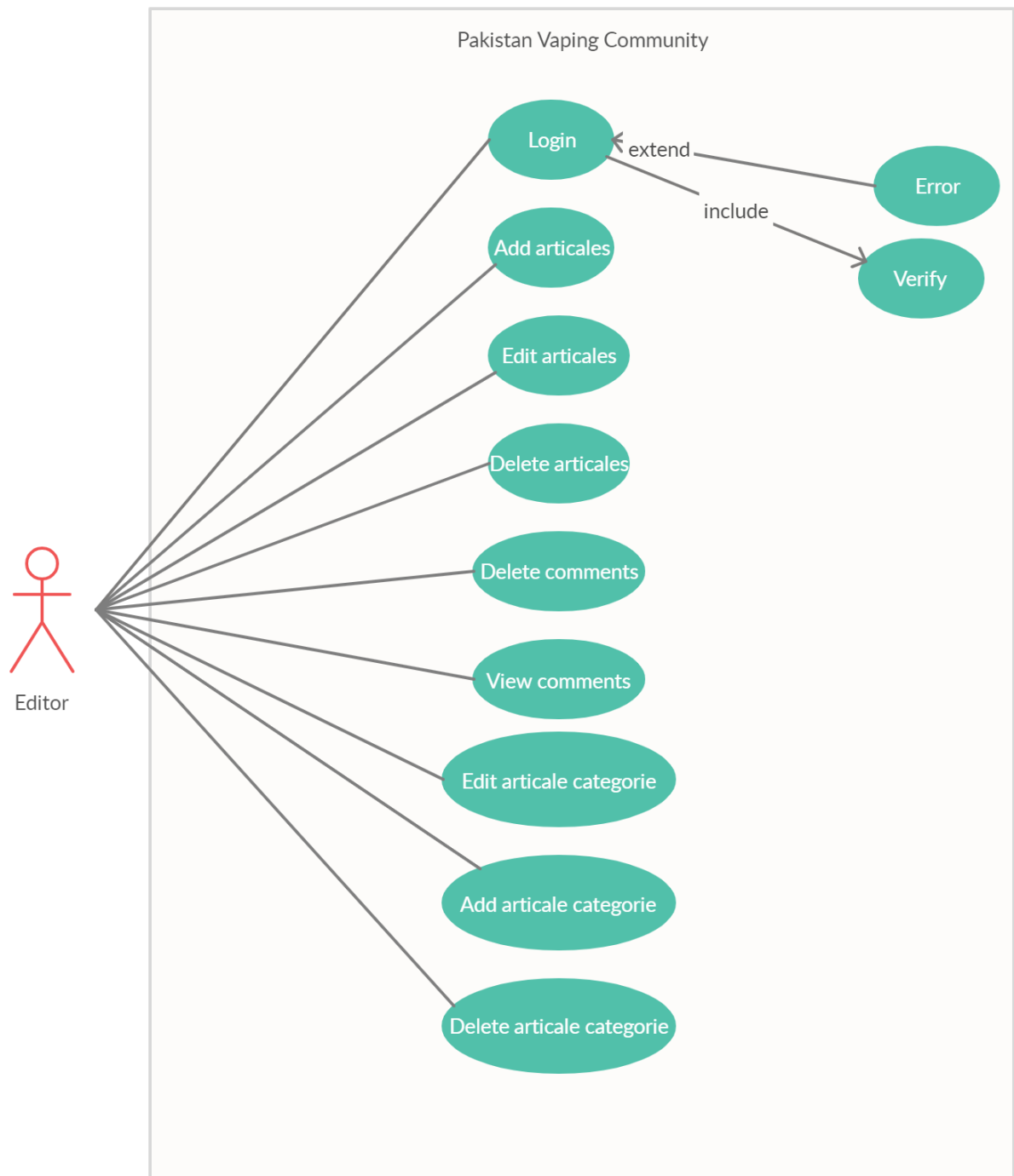


4.5 Use Case Diagram

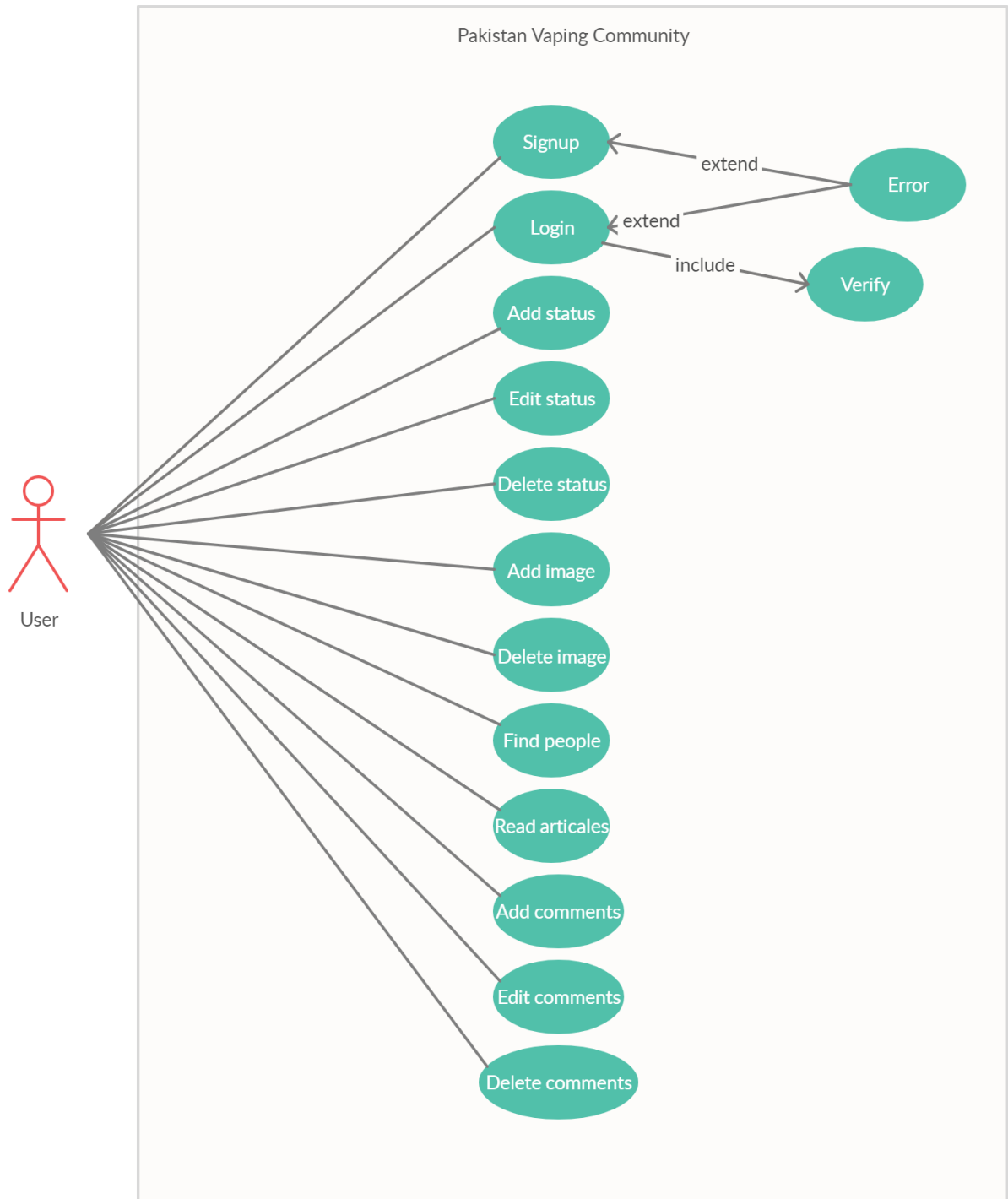
4.5.1 Admin



4.5.2 Editor

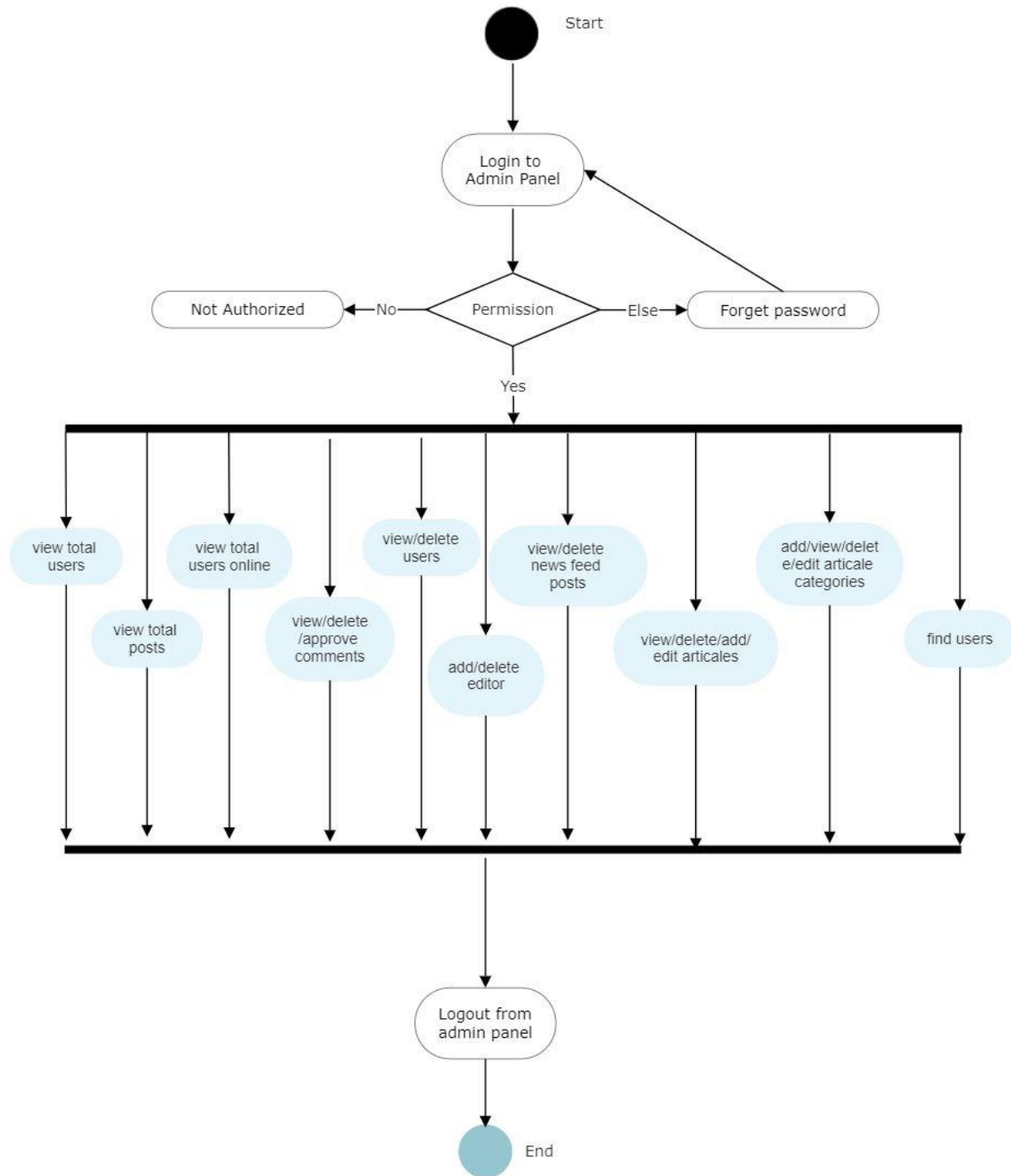


4.5.3 User

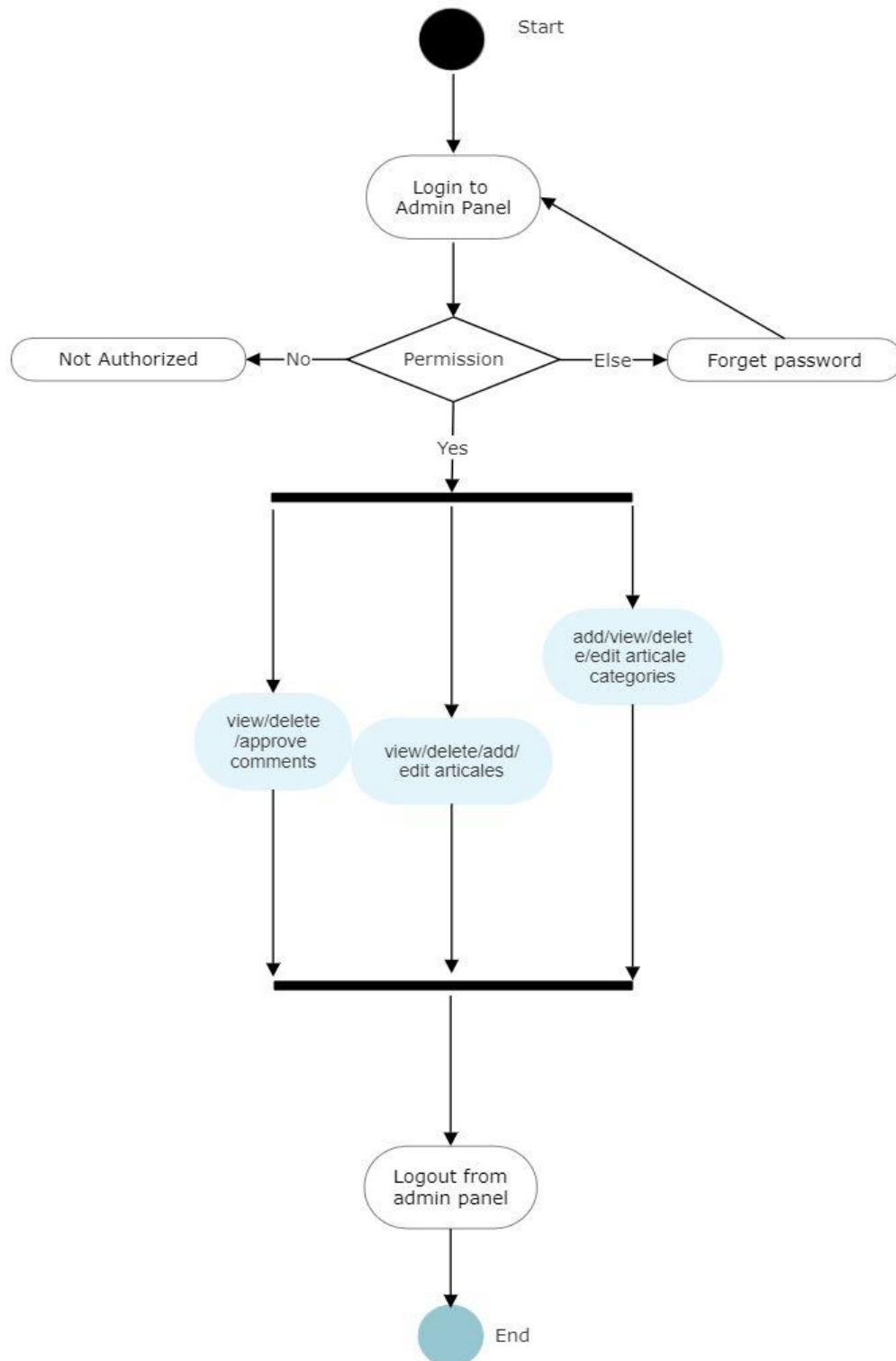


4.6 Activity Diagram

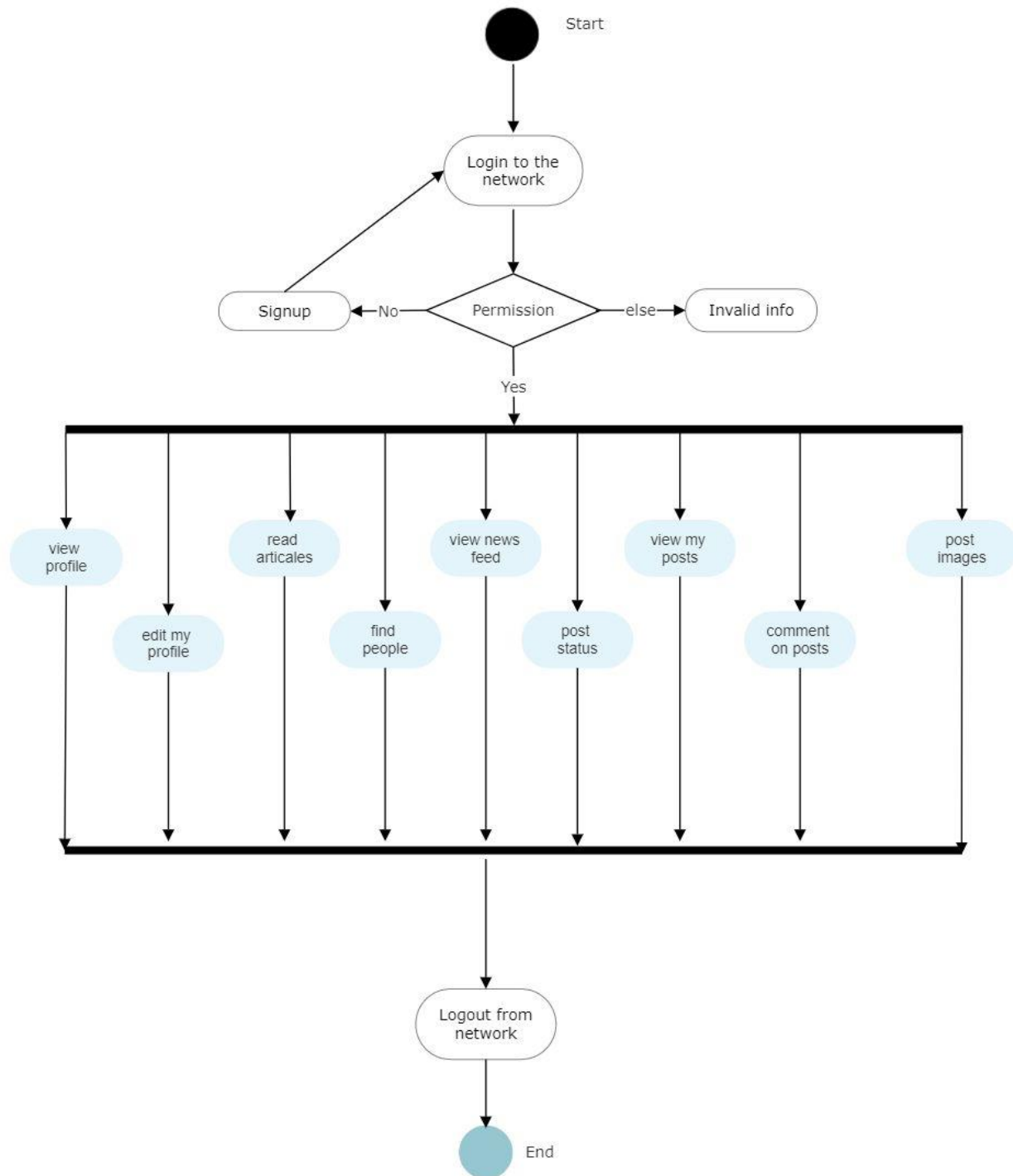
Admin Activity Diagram



Editor Activity Diagram



User Activity Diagram



4.7 Database Design Phase

4.7.1 Entities

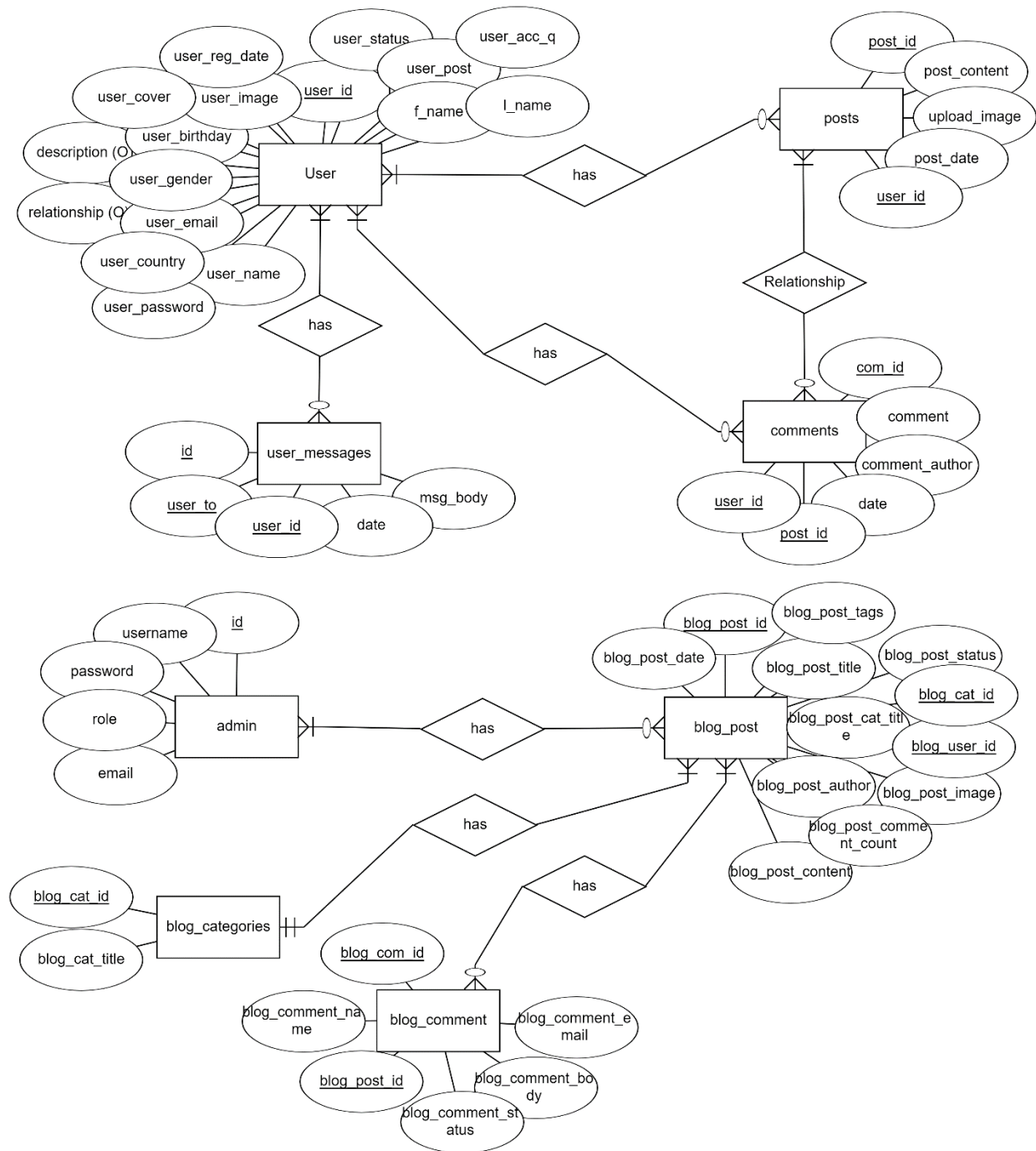
- Admin
- Blog_post
- Blog_comment
- Blog_categories
- Users
- User_messages
- Posts
- Comments

4.7.2 Attributes of entities

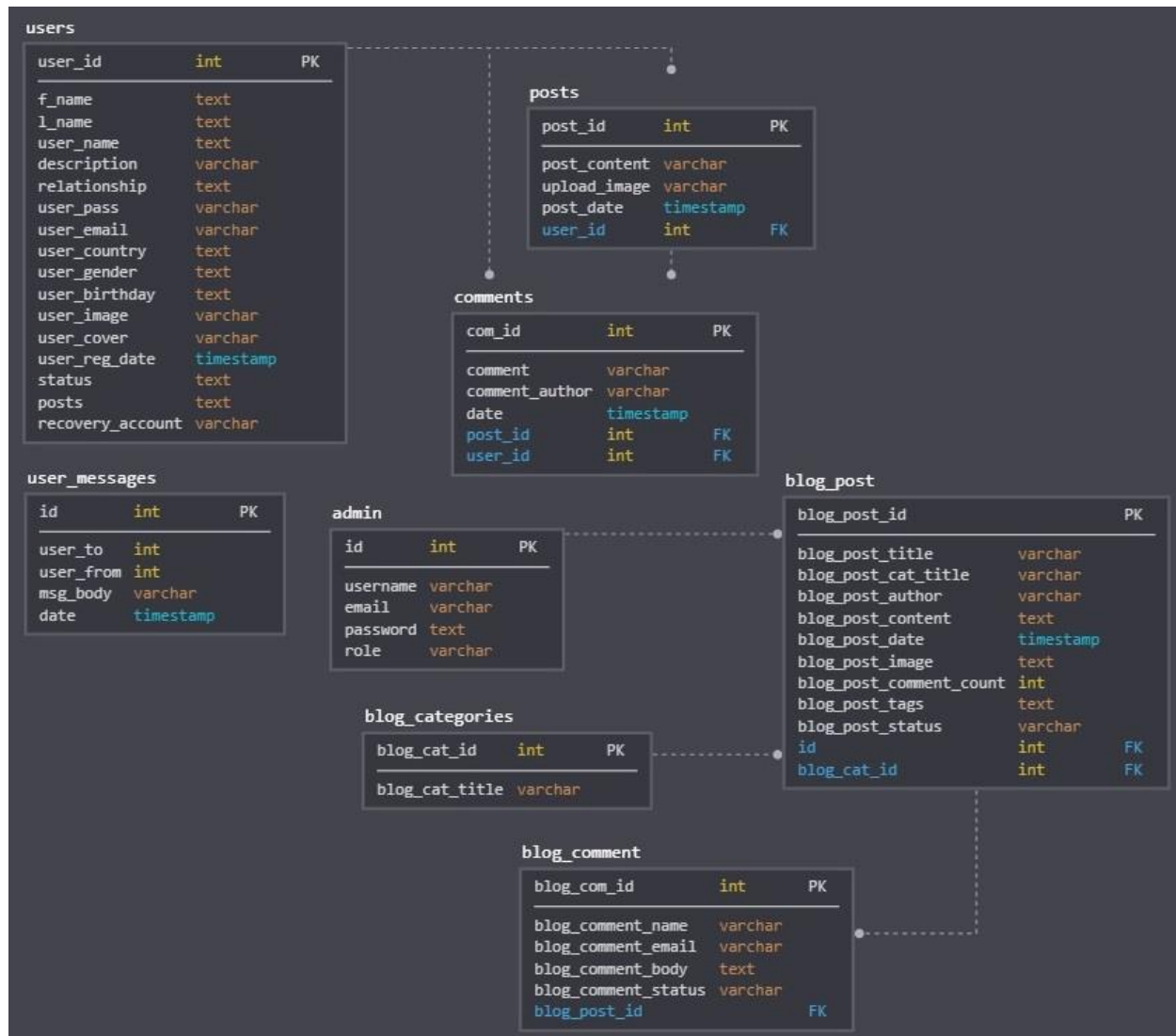
- Admin
 1. id
 2. Username
 3. Email
 4. Password
 5. Role
- Blog_post
 1. Blog_post_id
 2. Blog_post_title
 3. Blog_post_cat_title
 4. Blog_post_author
 5. Blog_post_content
 6. Blog_post_date
 7. Blog_post_image
 8. Blog_post_comment_count
 9. Blog_post_tags
 10. Blog_post_status
 11. Blog_user_id
 12. Blog_cat_id
- Blog_comment
 1. Blog_com_id
 2. Blog_comment_name
 3. Blog_comment_email
 4. Blog_comment_body
 5. Blog_comment_status
 6. Blog_post_id
- Blog_categories
 1. Blog_cat_id

2. Blog_cat_tittle
- User
 1. user_id
 2. f_name
 3. l_name
 4. user_name
 5. description
 6. relationship
 7. user_pass
 8. user_email
 9. user_country
 10. user_gender
 11. user_birthday
 12. user_image
 13. user_cover
 14. user_reg_date
 15. status
 16. posts
 17. user_recovery_acc
- user_messages
 1. id
 2. user_id
 3. user_to
 4. msg_body
 5. date
- Posts
 1. Post_id
 2. Post_content
 3. Upload_image
 4. Post_date
 5. User_id
- Comments
 1. Com_id
 2. Comment
 3. Comment_author
 4. Date
 5. Post_id
 6. User_id

4.8 Entity relationship diagram (ERD)



4.9 Schema diagram



5 System Features (Use case overview)

5.1 Create account

A user will create account on this platform by providing some necessary information such as user name, email, age and country, User will set a password to protect the account and later on by using the password and email the user will login to the platform.

5.2 Login

While using the login function the user has to provide the details with user had create an account on the platform which are email and password. After verifying the details given by the user will login to platform.

5.3 Manage user

Users will be manage on this platform by the admin. If any user publishes any content that is offensive or unethical that content and the user will be remove from the platform. All the information of the user and the shared data of the user on the platform also be deleted.

5.4 Manage editor

Admin can manage the editors for article section if a editor does not meet with the platform term and conation the editor will be removed from the editors position. Articles section will be managed by the editor. Editor will write articles on specific topics. If the editor writes an article which is unethical or offensive to any user the editor will be removed by the admin.

5.5 Manage post

A user can manage the post which the user had shared on the platform. The user can edit the post which the user had shared on the platform any. If user wants to delete the post shared on the platform the user can delete the post from user profile. If the user post breaks any term and condition by the platform the post will be deleted.

5.6 Manage article

Article will be managed by the editor and admin while Managing the article the editor and admin both have the power to edit the article or delete the article. Both can add the article categories which they like. Those article categories can be removed the admin or editor which are not suitable for the platform. The article categories can be edited by the admin or editor on the demand of users.

6 Other Nonfunctional Requirements

6.1 Performance Requirements

6.2 Safety Requirements

A user which is under the age of 18 will not be able to create a profile on the platform the user must be 18+. The user personal information will not be misused or will not be publish by the website.

6.3 Security Requirements

Https security, password encryption and cookies. Cookies will be used for the users batter experience and private massages will be exchange between only users no editor or admin will be able to access those massages.

6.3.1 Software Quality Attributes

The user interface is the minimalistic interface. No extra information will be shown on the sides of the pages for the batter experience of the users.

6.3.2 Business Rules

- No promotion of any illegal product.
- No promotion for any tabaco product.
- No under the age of 18 users

7 Other Requirements

Users will be asked for email and their age to verify is the user 18+ or not otherwise the user will not be able to create a profile on the platform.