

SHUATS BLOG



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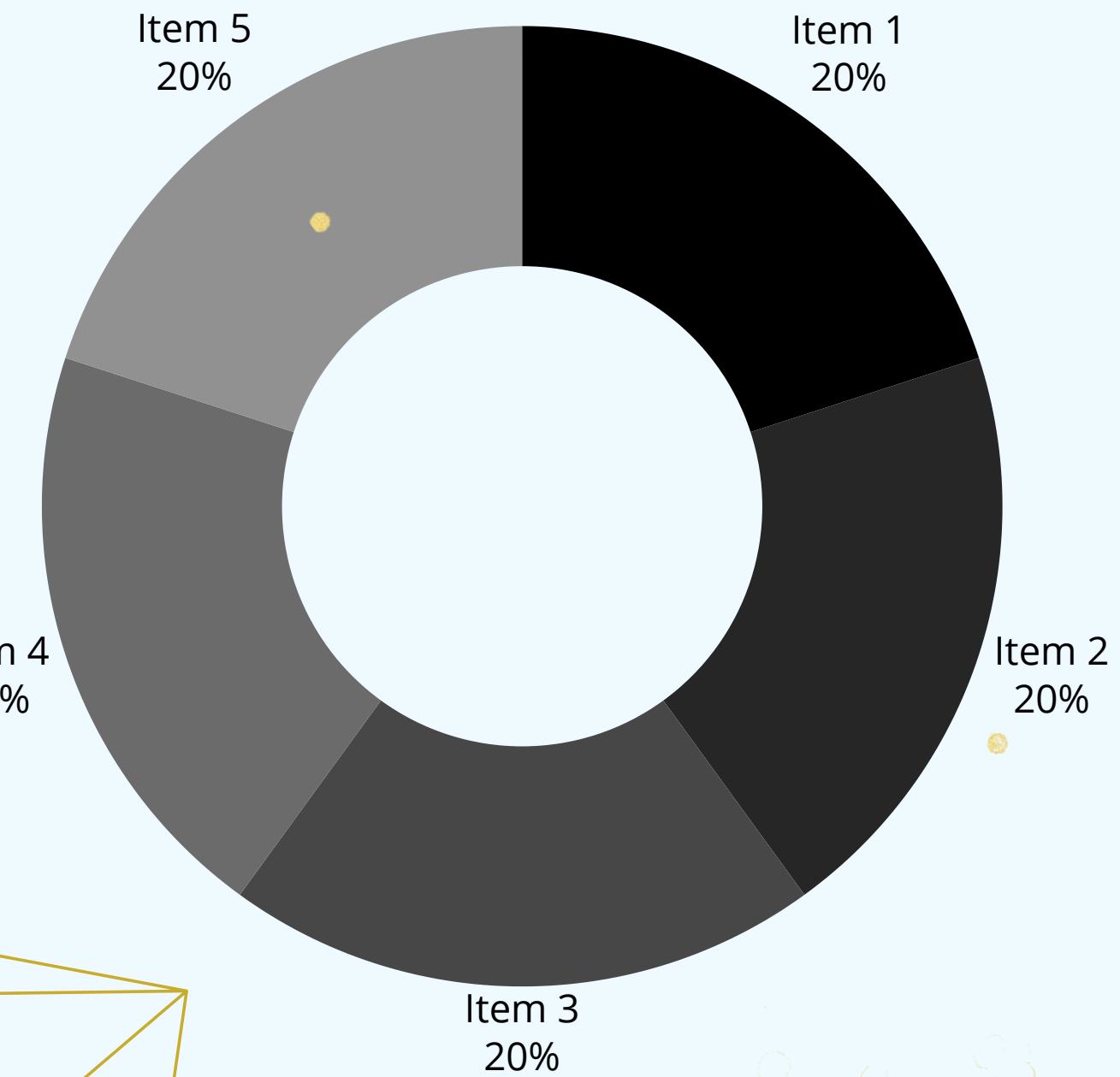
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Brief overview

- A blogging web site is basically in which the blog post are listed.
- There are multiple categories and posts written by a large number of authors & a user can like share or comment on it.
- In this system there are admins who take care of the blogs to publish.

Need for blogging application for a SHUATS

- Knowledge Sharing
- Promoting Research
- Student Engagement
- Event Announcements
- Educational Resources
- Community Building



Objective

To develop a blogging system
for SHUATS

Scope

Post: Add new post, Like , Comment ,Delete & Edit the post.

Category : if particular category don'ts exist , can add new category.

User : Register & login with unique email id , edit his/her profile pic, Bio , details.

Questions : Add new Questions, Like , Comment, Delete & Edit the post.

Users of the System

Students & Staffs

- They can add category ,add post like, delete blog post, comment on the particular post.
- They can ask questions and anybody can answer.

Features

- Full responsive, Compatible with pc, tab and mobile devices.
- User can post a blog on relevant category.
- User can add new category to the list.
- User can Like, Comment or Delete the posts.
- User can update his/her profile details(username, password, profilepic, etc).
- User can ask Questions and Answer

Technologies

- 1 MySQL for Database
- 2 Java for Server side
- 3 JSP for front end

Functional Requirements

- **User Registration and Authentication :** Users should be able to create accounts with a unique email address and password
- **User Profiles :** edit their profiles picture, bio and profile details.
- **Blog Creation:** Bloggers can create collage blog posts, incorporating images.

Modify Post : edit and update their existing blog posts.

• **Add Category** : if doesn't exist can add new Category.

Adding Comments : Users should be able to leave comments on blog posts to encourage discussion.

Add Questions: Users should be able to ask questions.

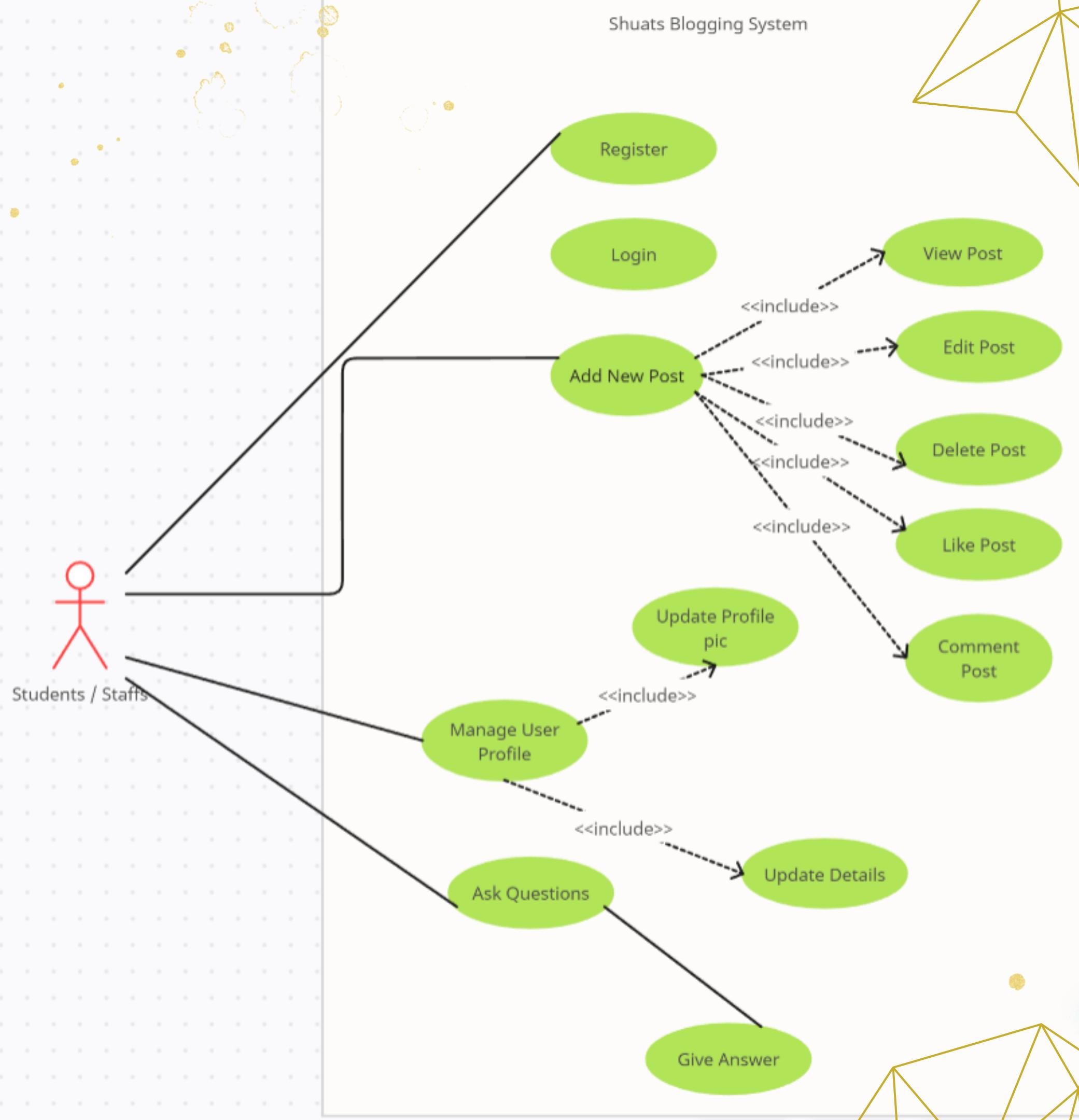
Non - Functional Requirements

Security: User data, including passwords and personal information, should be encrypted.

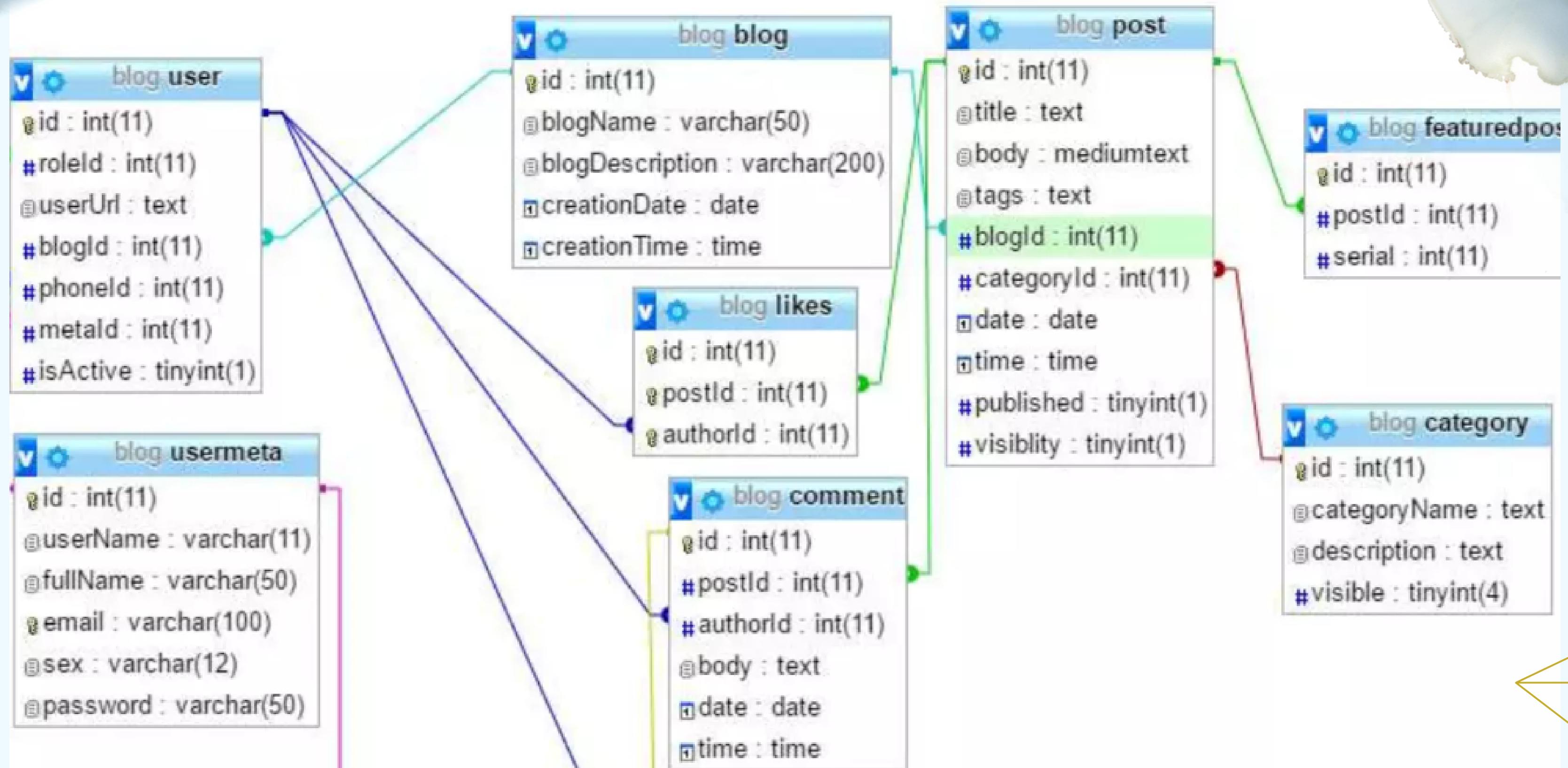
Scalability: The system maintains performance even during peak usage periods.

Reliability: The website should aim for 99.9% uptime, allowing users to access the platform reliably.

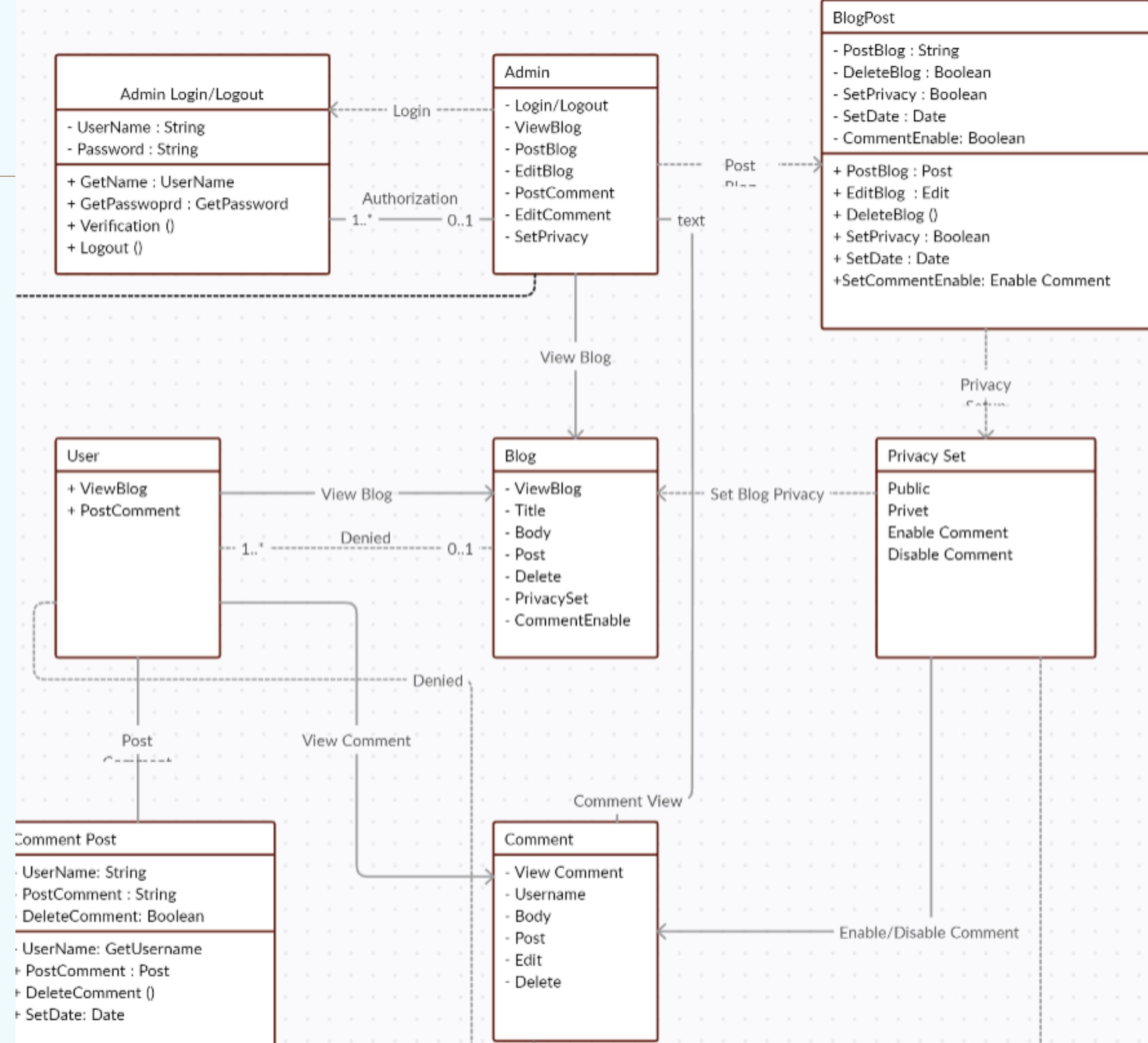
Use Case Diagram



ER diagram



Class Diagram

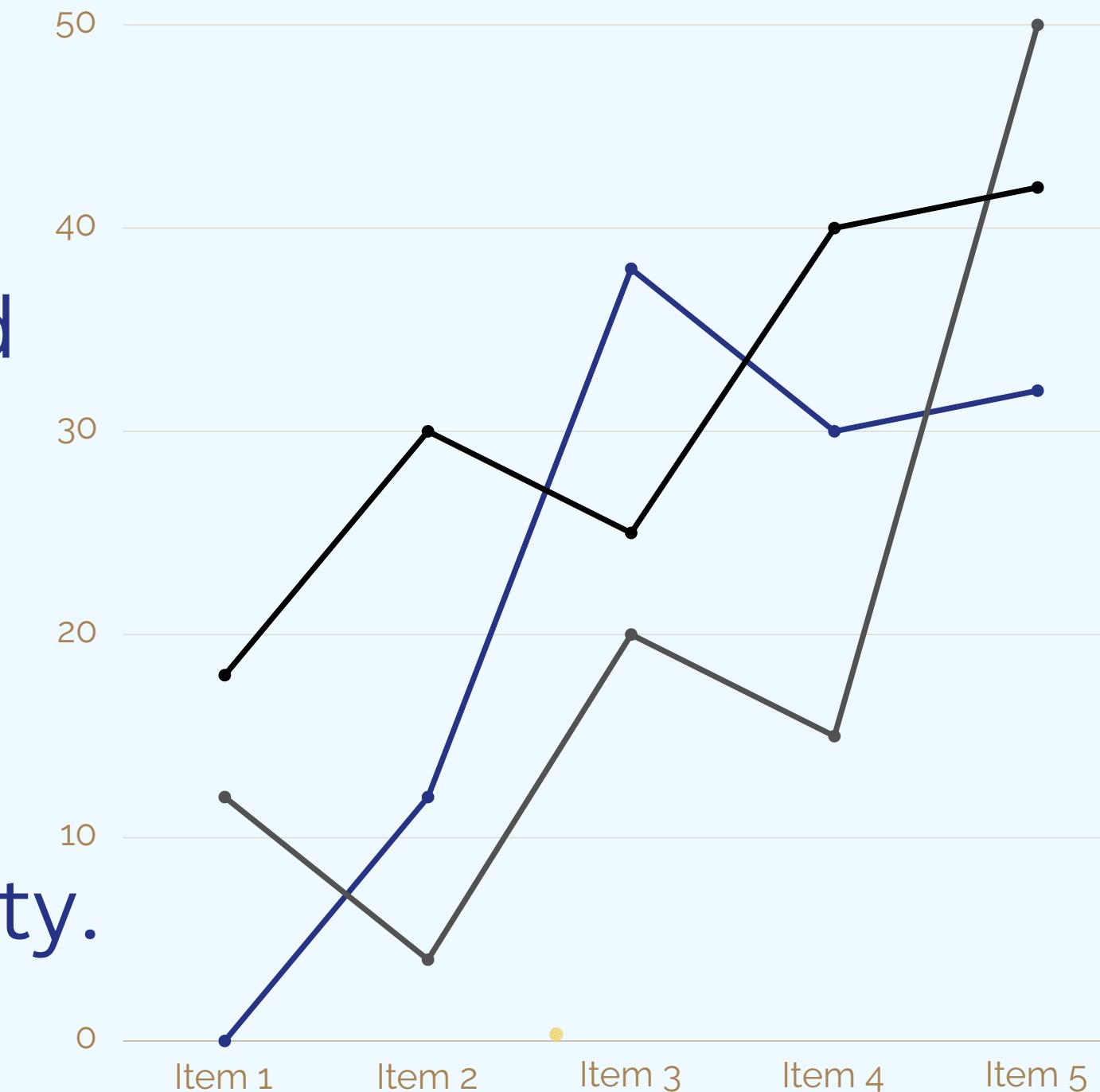


Conclusion

- The role of blogging in higher education is a multifaceted one. It can enhance the usefulness and relevance of the application, as well as connect students, staff, and prospects.
- The posts can also act as tools to propel learning opportunities
- University blog could span many different categories and topics, from research to insights into campus life to admissions.
- The system can be used by the students as well as staffs of the university.
- It is developed using Java Servlet, JSP and MySQL

Potential features to add in

- Machine Learning and AI to provide personalized content recommendations and enhance the user experience.
- A mechanism to follow users or pages.
- Using Spring framework can help in scalability.





A background featuring a large, abstract blue and white wash at the top, resembling ink or paint. Below this, there are two large, semi-transparent gold-colored geometric shapes: a hexagon on the left and a triangle on the right. The space between these shapes and the bottom of the frame is filled with numerous small, gold-colored circles of varying sizes, some with intricate patterns, resembling stylized leaves or petals.

THANK YOU