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CSP-586

ASSIGNMENT-1

List of actors:
1. **Student**: Enrolled students at the school/department.
2. **Faculty**: Professors, lecturers, and instructors within the school/department.
3. **Staff**: Administrative and support staff within the school/department.
4. **Moderator**: Designated individuals responsible for maintaining the platform's content and ensuring a positive and respectful environment.
5. **Guest**: External visitors to the platform.

List of use cases:
1. **Authenticate User**: This use case allows users to interact with the platform by verifying their identity. This includes the ability to log in, register (sign up), and log out, ensuring secure access to the platform based on their roles.
2. **Reset Password**: This use case allow users to reset their account password if they forget it or suspect unauthorized access.
3. **Edit Blog**: This use case allows users to modify the content of an existing blog, including updating the title, text, tags, or attached media.
4. **Reply to Blog**: This use case allows users to post comments or replies on a blog to engage in discussions.
5. **Share Blog**: This use case allows users to share a blog with others (e.g., social media or email).
6. **Manage Profile**: This use case allows users to update their personal information, such as name, profile picture, bio, and other account settings.
7. **Like Blog**: This use case allows users to express interest in particular blogs.
8. **Create and Publish Blog**: This use case allows users to write and submit a blog for publication. This may include uploading media and categorizing the blog.

9. **Schedule Blog**: This use case allows users to set a specific time and date for a blog to be published on the platform.

10. **Evaluate Blog**: This use case allows users evaluation rights to assess a blog's quality, provide ratings.

11. **Report Blog**: This use case allows users to flag a blog for review if it contains inappropriate content or violates platform guidelines.

12. **View Blog**: This use case allows users to read and browse blogs published on the platform, including their own or others' posts.

13. **Manage Categories and Tags**: This use case allows users to create, edit, or delete categories and tags used to organize blogs.

14. **Moderate Blog**: This use case allows users to review blogs flagged by users or pending publication to ensure they comply with platform standards

15. **Search Blog**: This use case allows users to search for blogs using keywords, tags, or other filters to find specific content.

16. **View Analytics**: This use case allows users to view data on blog performance, user engagement, and other platform metrics.

17. **Delete Blog**: This use case allows users to remove a blog from the platform permanently.

18. **Ban User**: This use case allows users to block users from accessing the platform due to violations of rules or policies.

19. **Manage Users**: This use case allows users to add, remove, or modify user accounts, including assigning roles or permissions.

20. **Provide Support**: This use case allows users to assist users with issues related to the platform, such as technical problems or account queries.
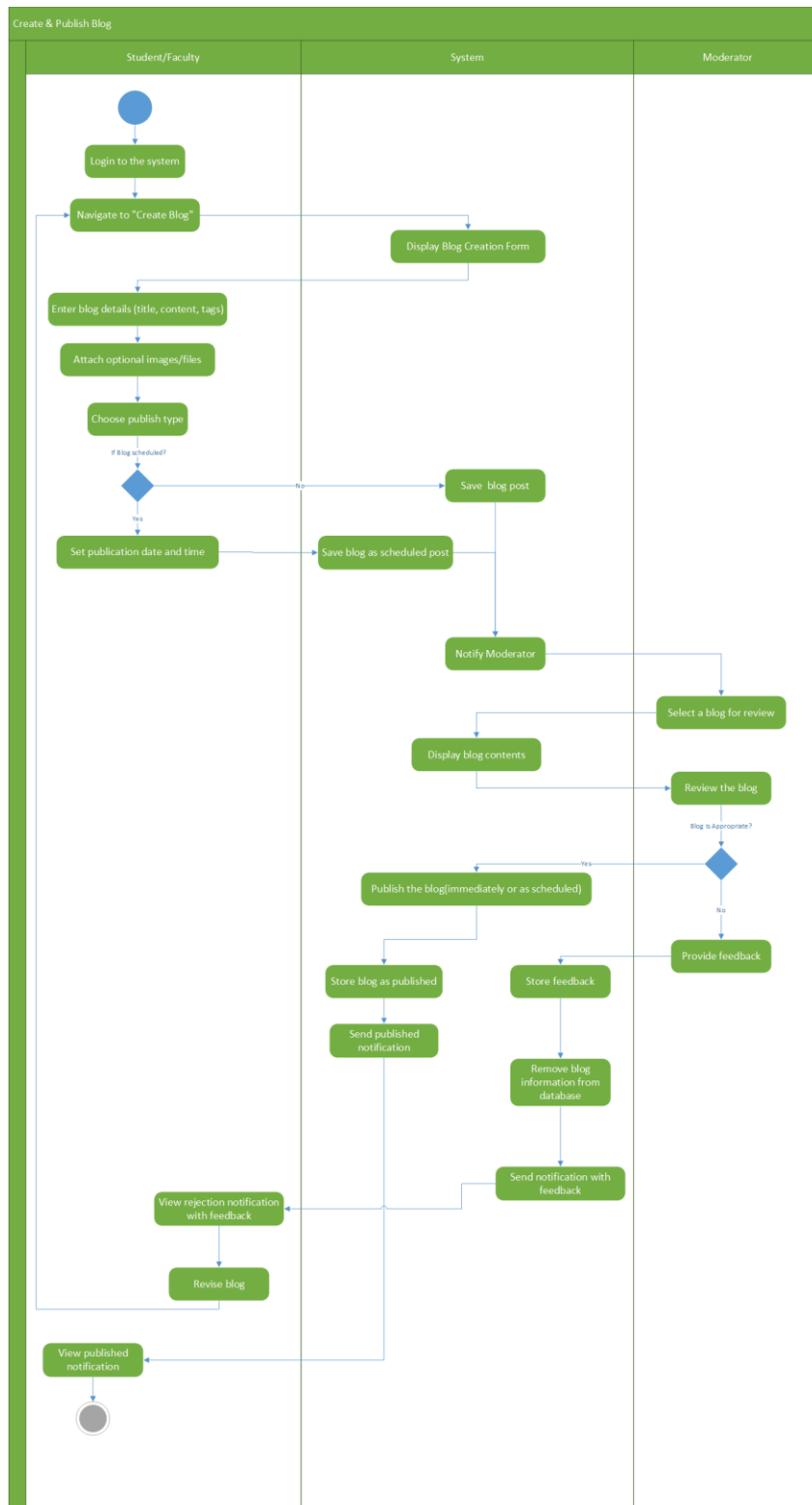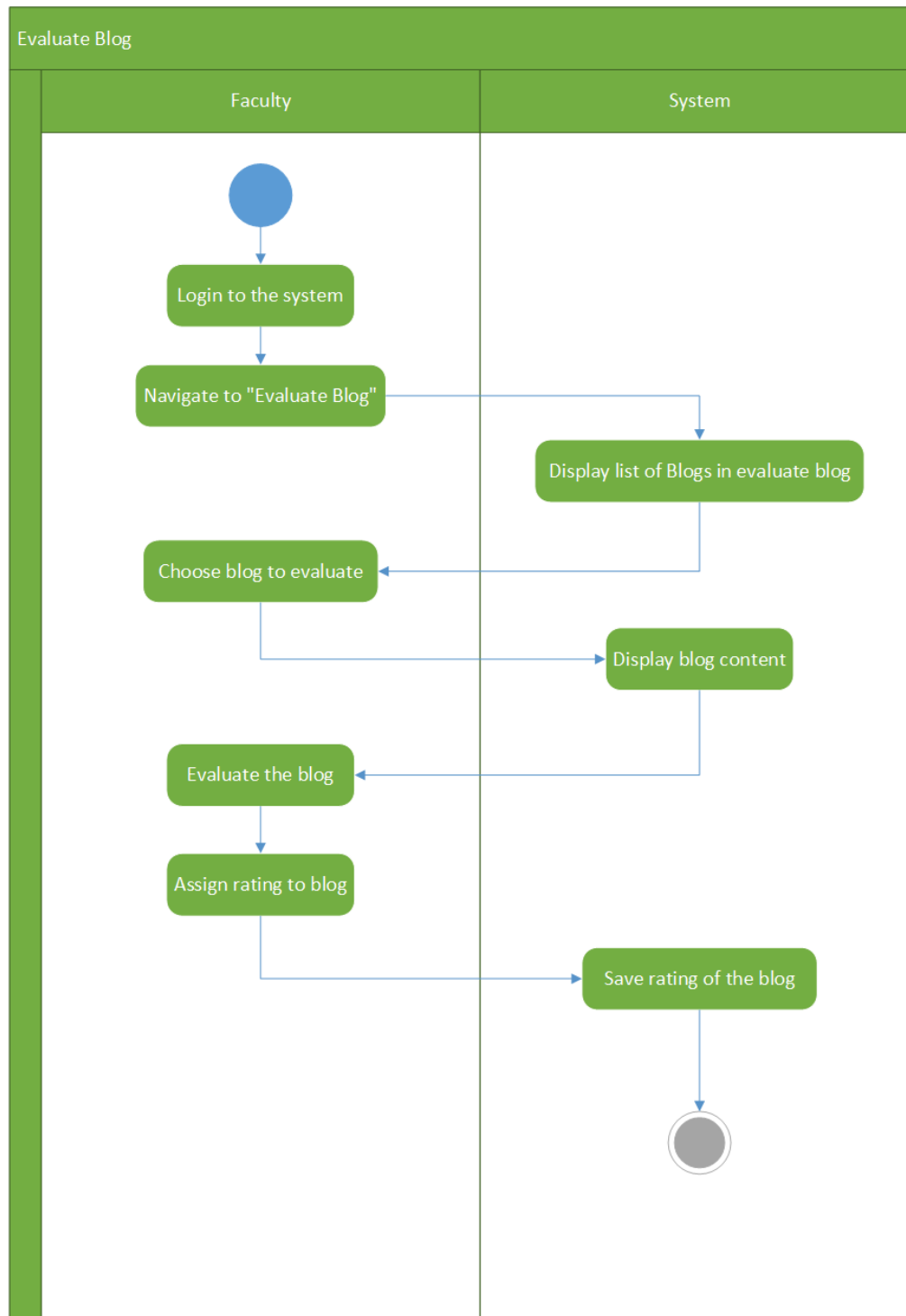
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UML Use-case for school/department blogging platform
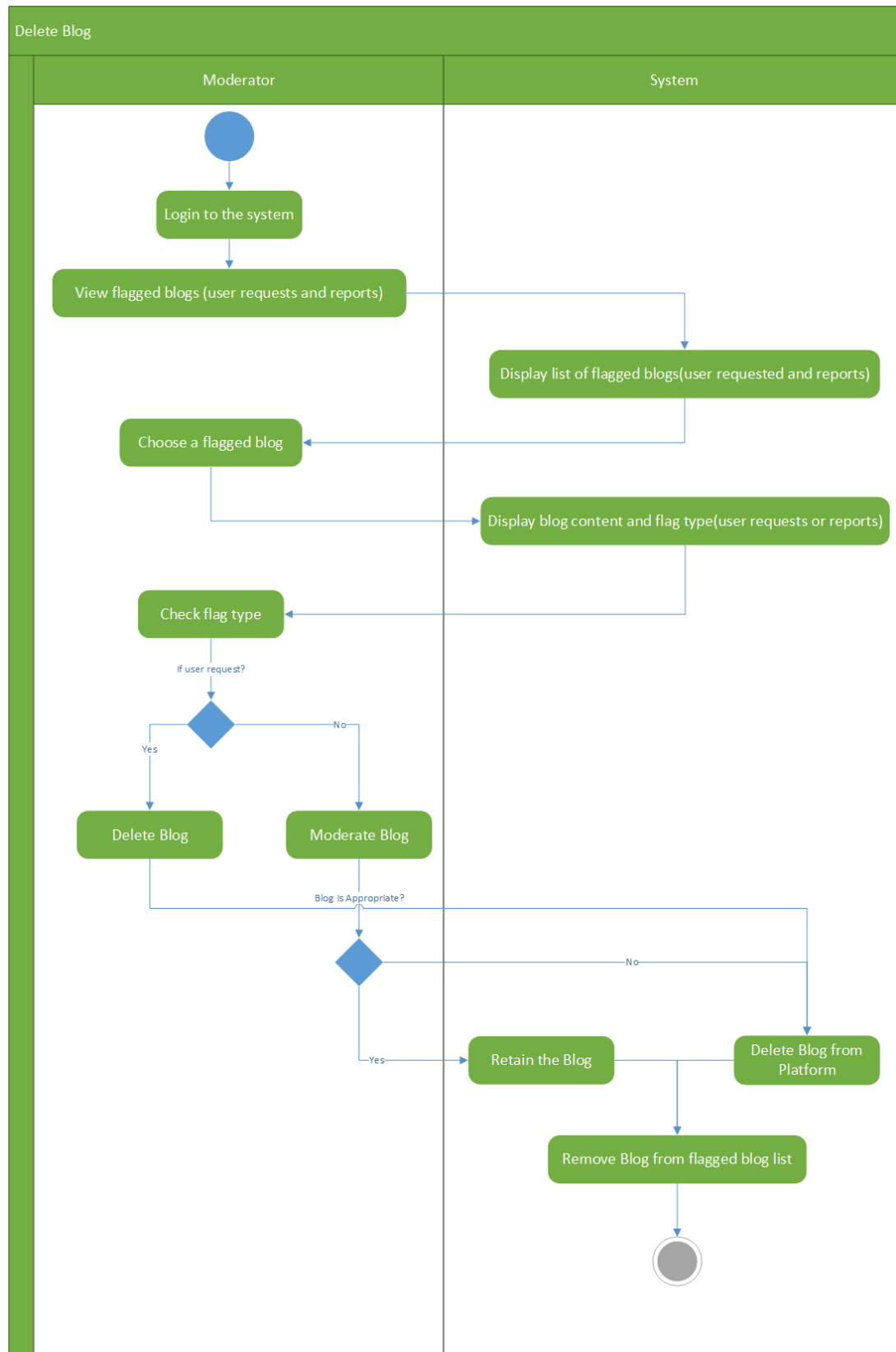
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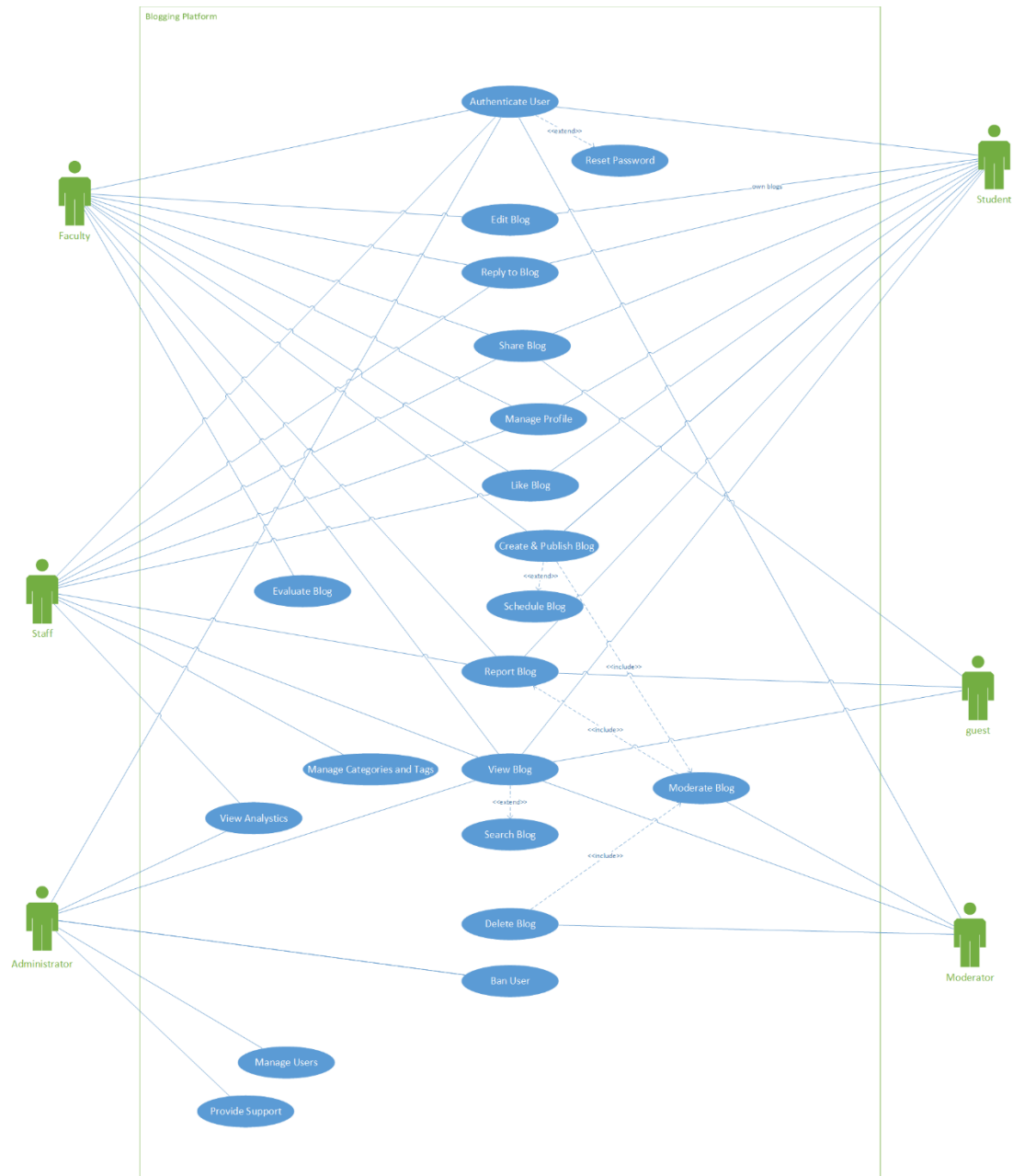
Activity diagram for **Create & Publish Blog** Use-case

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Activity diagram for **Evaluate Blog** Use-case

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Activity diagram for **Delete Blog** Use-case

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Fully Dressed Format

Use Case: Authenticate User

Use Case Name	Authenticate User		
Scenario	Users want to securely access the platform and manage their sessions.		
Triggering Event	The user visits the platform and attempts to login, sign up or logout.		
Brief Description	Users securely access the platform by verifying their identity through login, signing up for a new account, or logging out from an existing session. This ensures only the authorized users can access the platform. It provides a secure, seamless and role-based entry point to the system.		
Actors	Student, Faculty, Moderator, Staff, Administrator.		
Related Use case	Reset Password		
Stakeholders	Users: Require secure access to the platform.		
	Administrators: Depend on authentication for managing roles and activity monitoring.		
Preconditions	1. The system must be operational and connected to the authentication server(database). 2. User should have existing account with valid credentials for login. 3. User should not have an existing account for sign up. 4. User must be logged into the system to initiate a logout request.		
Postconditions	1. For Login, user gains access to role-specific features and active session is enabled. 2. For sign up, new account is created, data stored in system and user can login with their credentials 3. The user session is terminated, they are redirected to login or homepage.		
Flow of Events		Actor		System
	1	Users access the authentication page.	1.1	The system displays options- Login, sign up or Logout (if already logged in).
	2	User selects an option.	2.1	System processes the selected action.
		Login Flow		
	3	User selects Login and enters credentials.	3.1	System validates the credentials.
			3.2	system grants access and redirects user to dashboard

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		Sign up Flow		
	4	User selects Signup and fills out the registration form.	4.1	The system validates the registration details.
			4.2	Create's a new account and redirect the user to the login page.
		Logout Flow		
	5	User selects Logout from the platform interface.	5.1	The system ends the user session securely.
			5.2	System redirects the user to the homepage or authentication page.
Exception Conditions	1.1	If the authentication service is down (e.g., server maintenance or failure), the system displays a maintenance message and prevents login, signup, or logout actions.		
	3.1	If the user enters invalid credentials (email or password), the system denies access and prompts the user to retry or reset their password.		
	3.2	After multiple consecutive failed login attempts, the system locks the user's account and prompts them to reset their password or contact support.		
	4.1	If the user provides invalid or incomplete registration details (e.g., missing fields, weak password, or duplicate email/username) the system rejects the registration and prompts the user to correct the errors.		
	5.1	If the system encounters an issue while terminating the user session (e.g., network disruption) it displays an error message and suggests retrying the logout process.		