Optimizing User, Group, And Role Management With Access Control And Workflows

Problem Statement:

In a small project management team consisting of a Project Manager (Alice) and a Team Member (Bob), there is a need to efficiently manage project tasks and ensure accountability throughout the project lifecycle. The current system lacks clear role definitions, access controls, and a structured workflow, leading to confusion regarding task assignments and progress tracking.
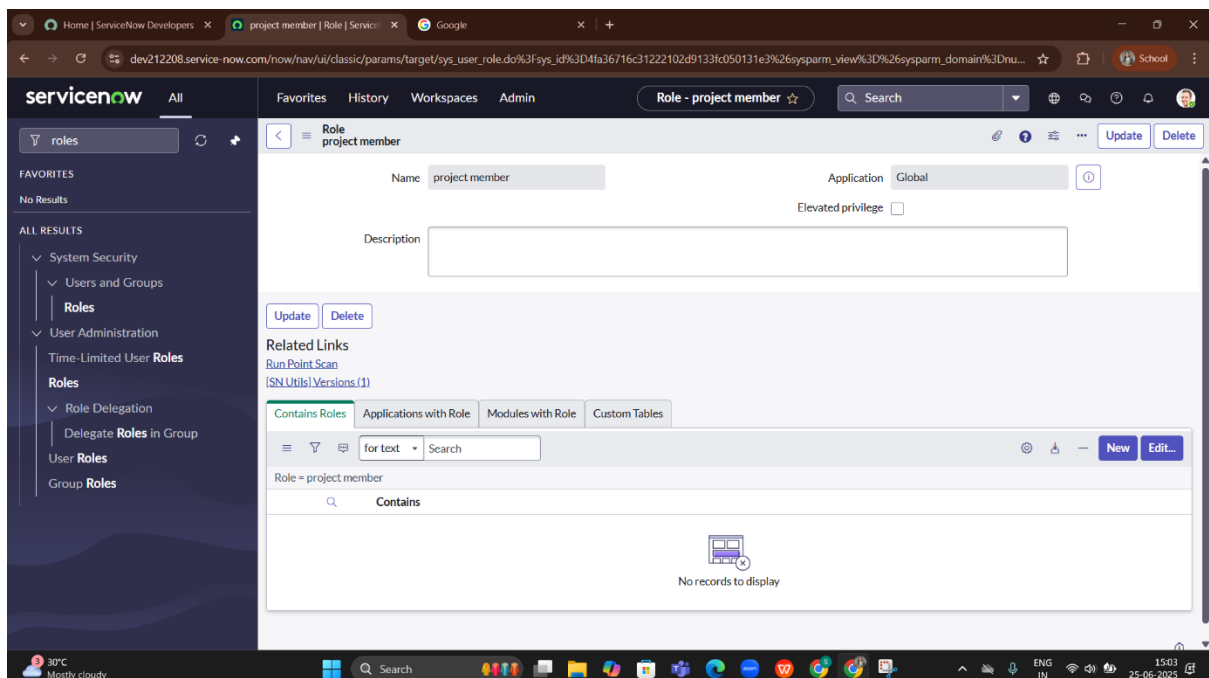
Users:

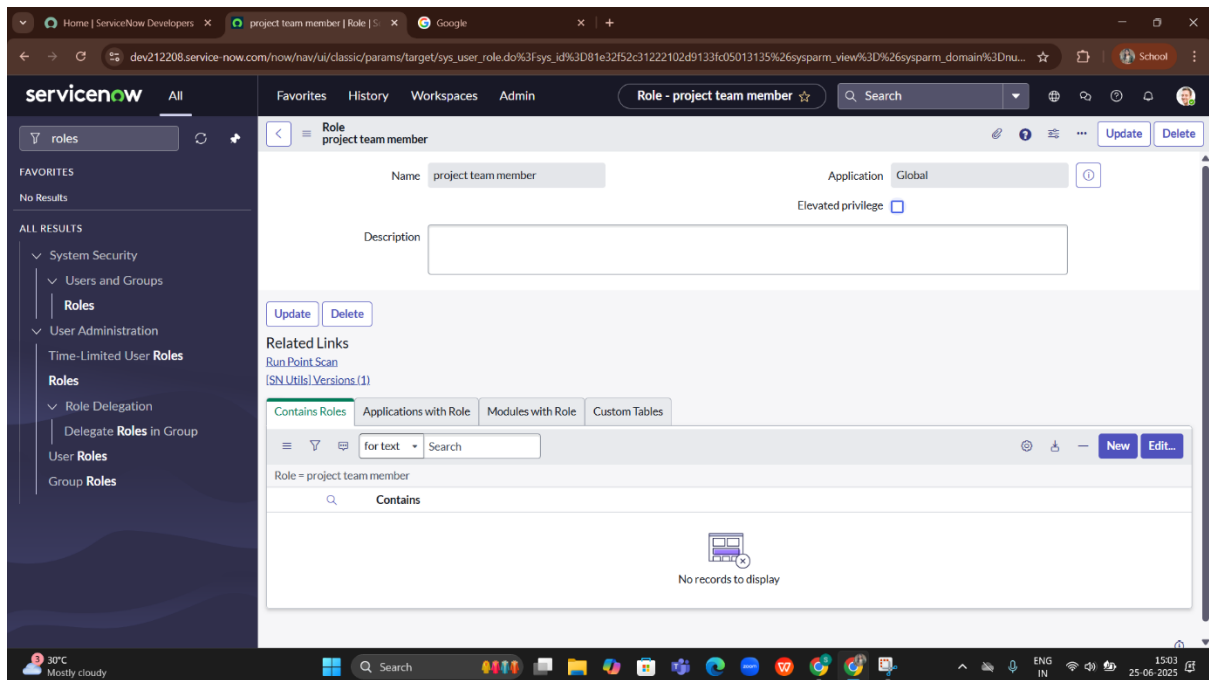Created two users named as "alice" and "bob".

Groups:
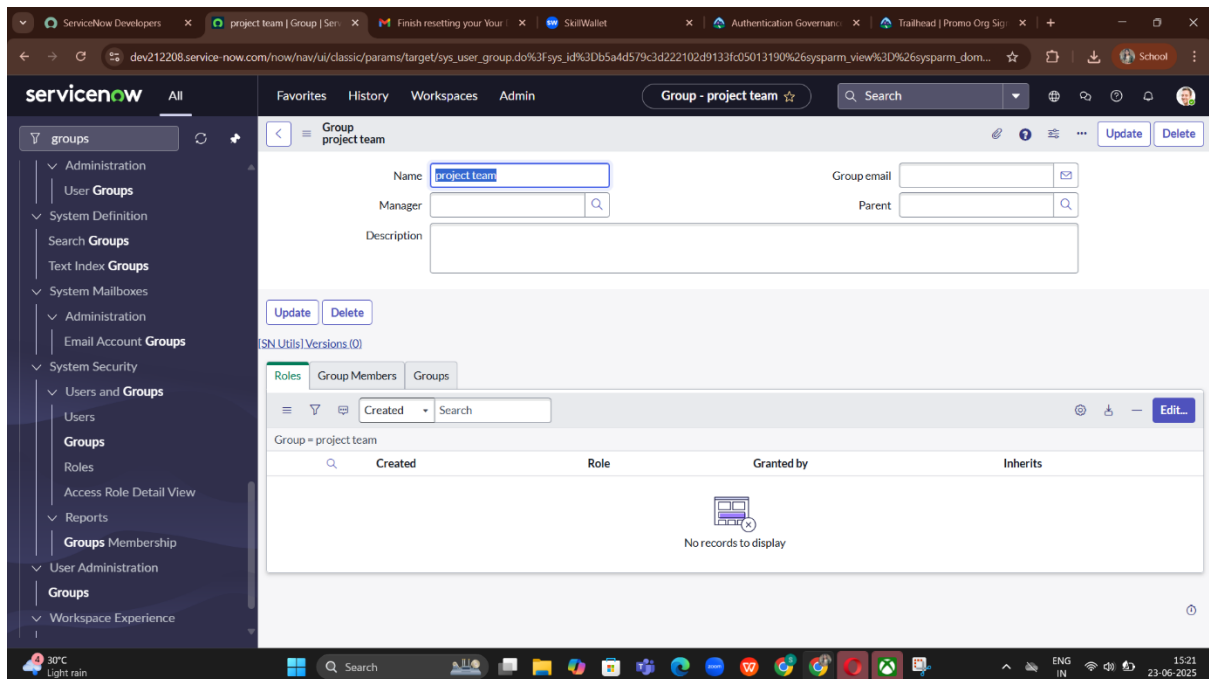
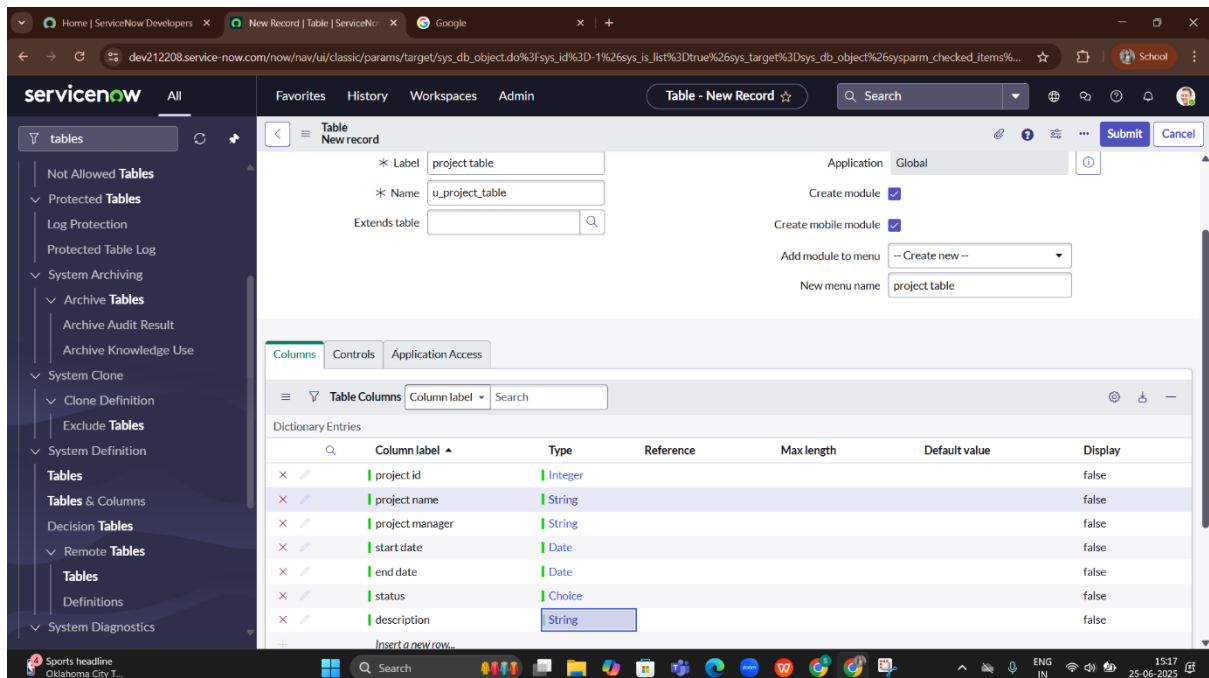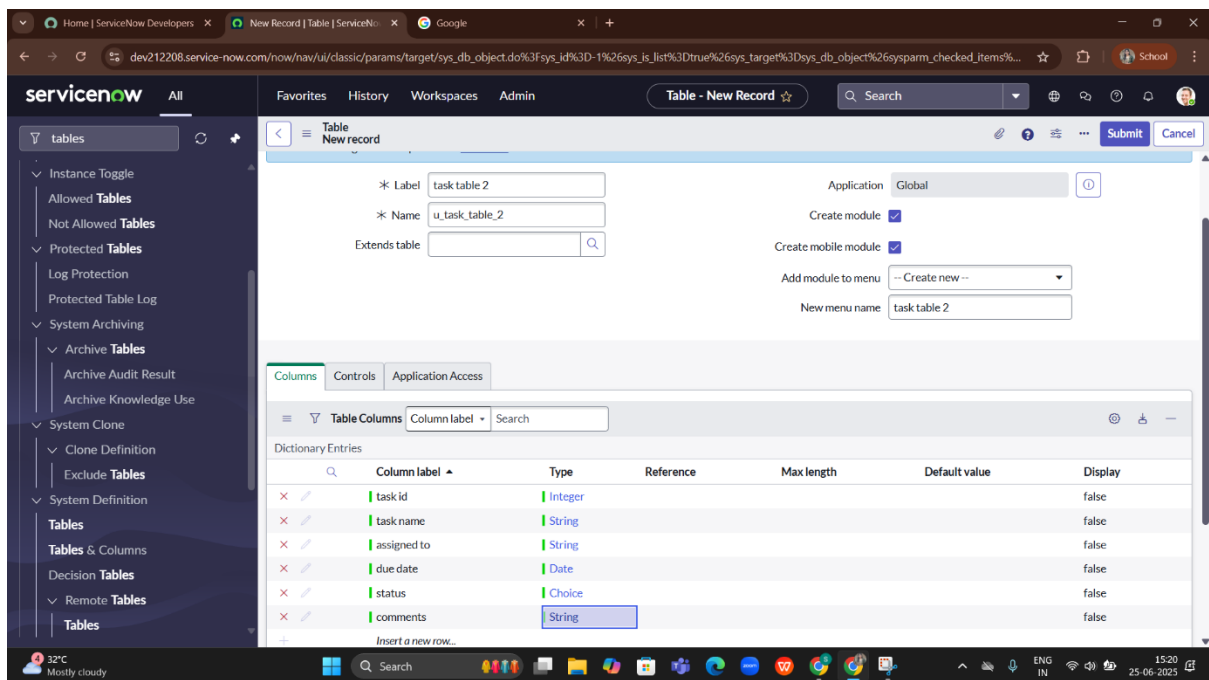Created a group named a "project team".

Roles:

Created two roles namely as "project member" and "project team member".
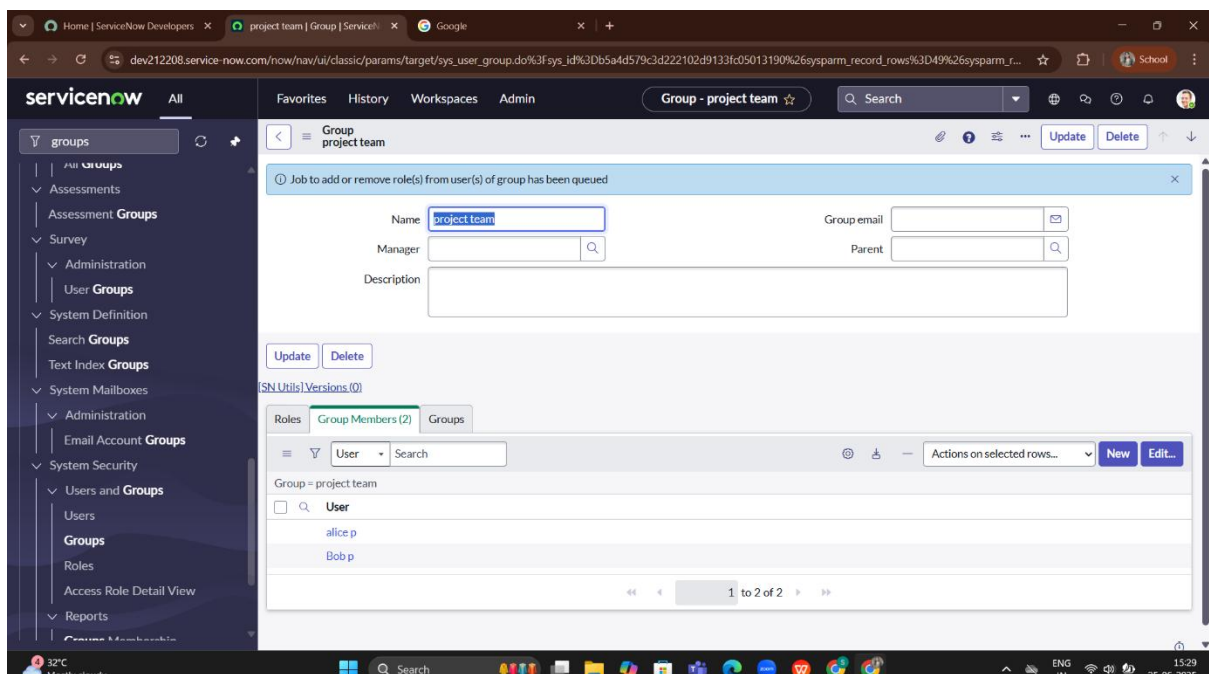
Table:

Created two tables with respective columns namely "project table" and "task table 2".

Assign Users To Groups:

Added group members(alice and bob) to the group(project team).

Assign Roles To Users:

Assign Roles To Alice User:

Assigned "u_project_table_user","project member" and "u_task_table_2_user" roles to Alice.

Assign Roles To Bob User:

Assigned "u_task_table_2_user" and "project team member" roles to Bob.

Application Access(Assign Table Access To Application):
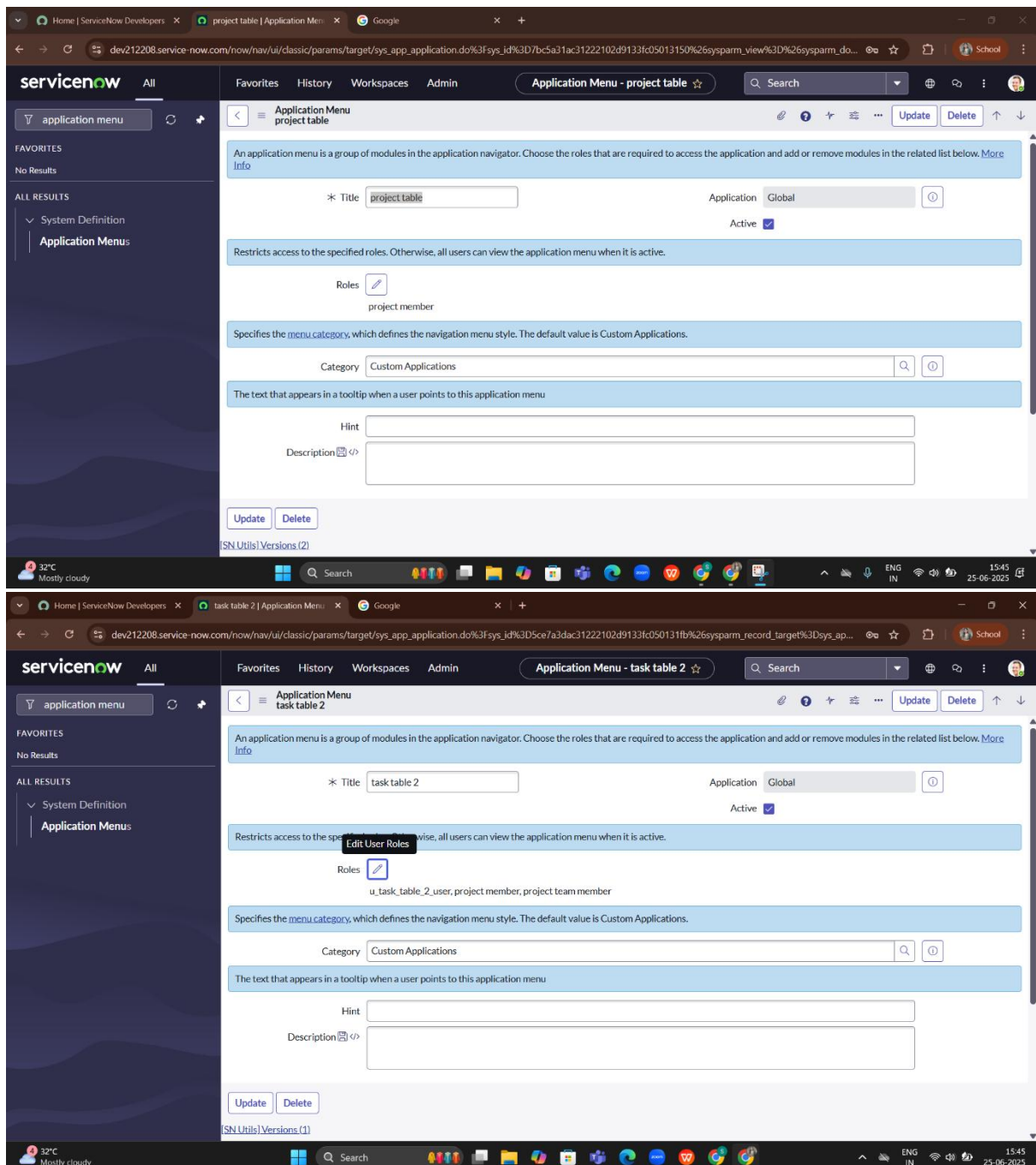
Added roles in the application of both the tables.

Project table:-project member

Task table:-u_task_table_2_user,project team member

Access Control List(ACL):

Created above all ACL's(status,task name,task id,assigned to,due date).

Due to this ACL's we have seen the edit access for comments and status fields.
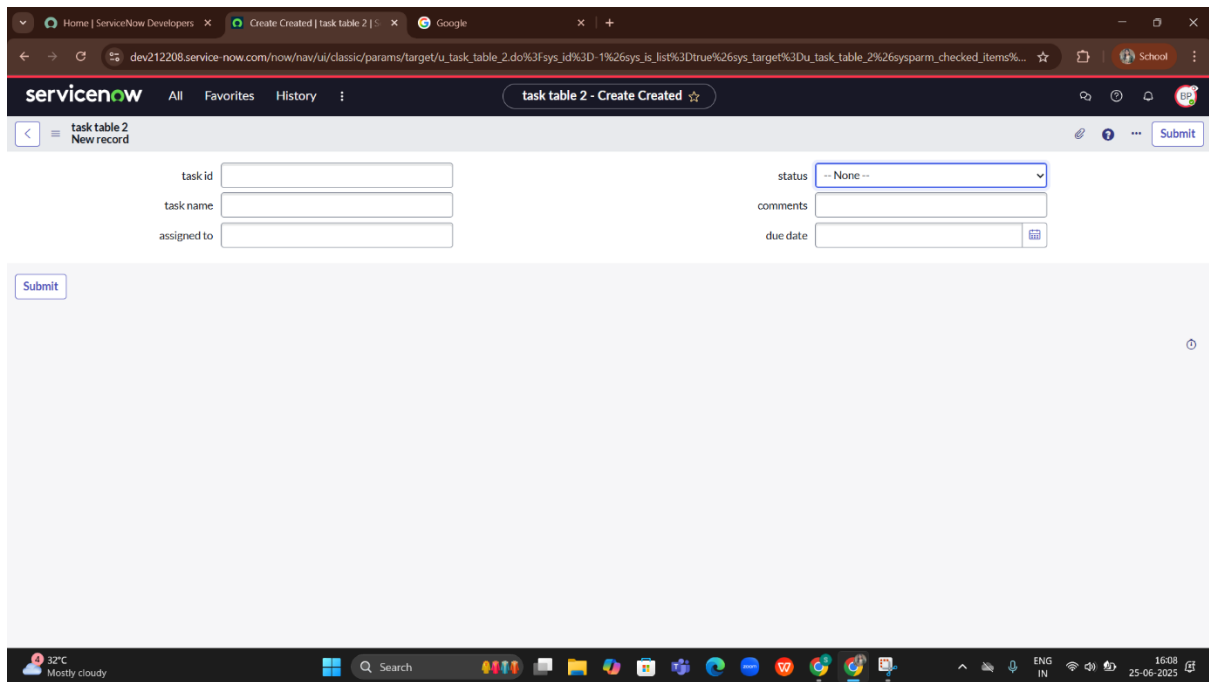
Flow:
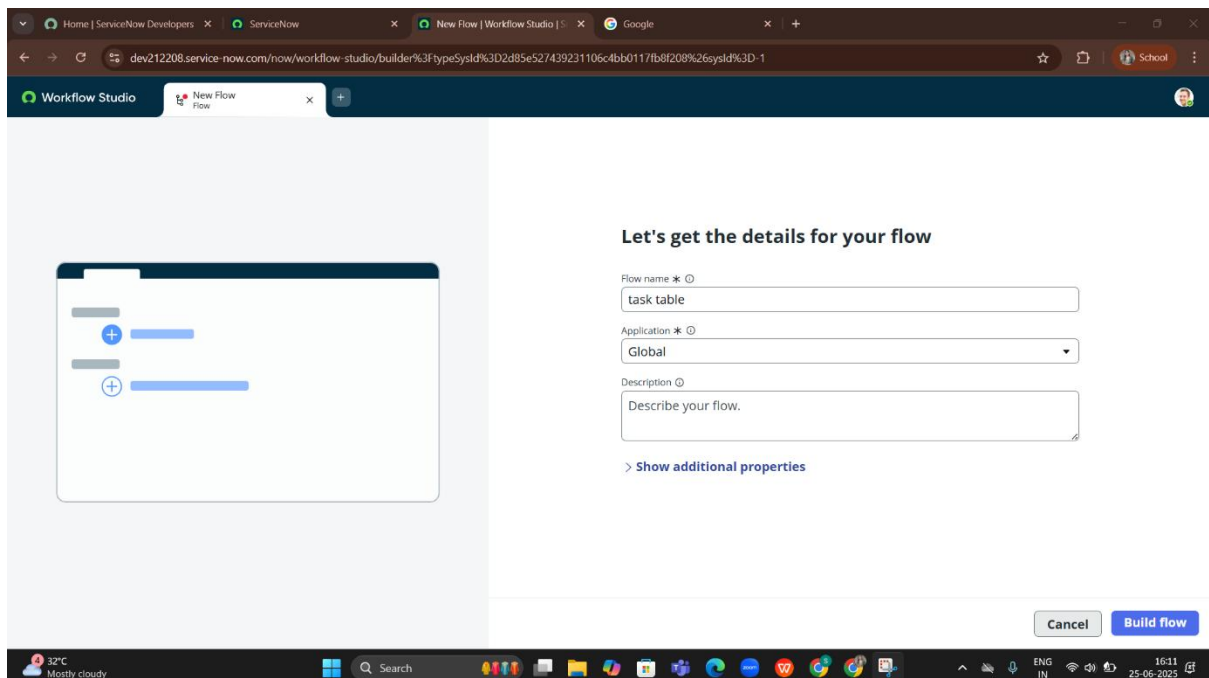
Created a flow named as "task table".

Workflow Studio   task table Flow   ×   +

task table Inactive   View: Test   **Activate**   **Save**   …   ❓

TRIGGER

task table 2 Created where (status is in progress, and comments is feedback, and assigned to is bob)

Trigger	Created
* Table	task table 2 [u_task_table_2] × ▾

Condition All of these conditions must be met

	status ▾	is ▾	in progress ▾	⊖	OR	AND
AND	comments ▾	is ▾	feedback	⊖	OR	AND
	assigned to ▾	is ▾	bob	⊖	OR	AND

or

New Criteria

Advanced Options ⌄

Delete   **Cancel**   **Done**
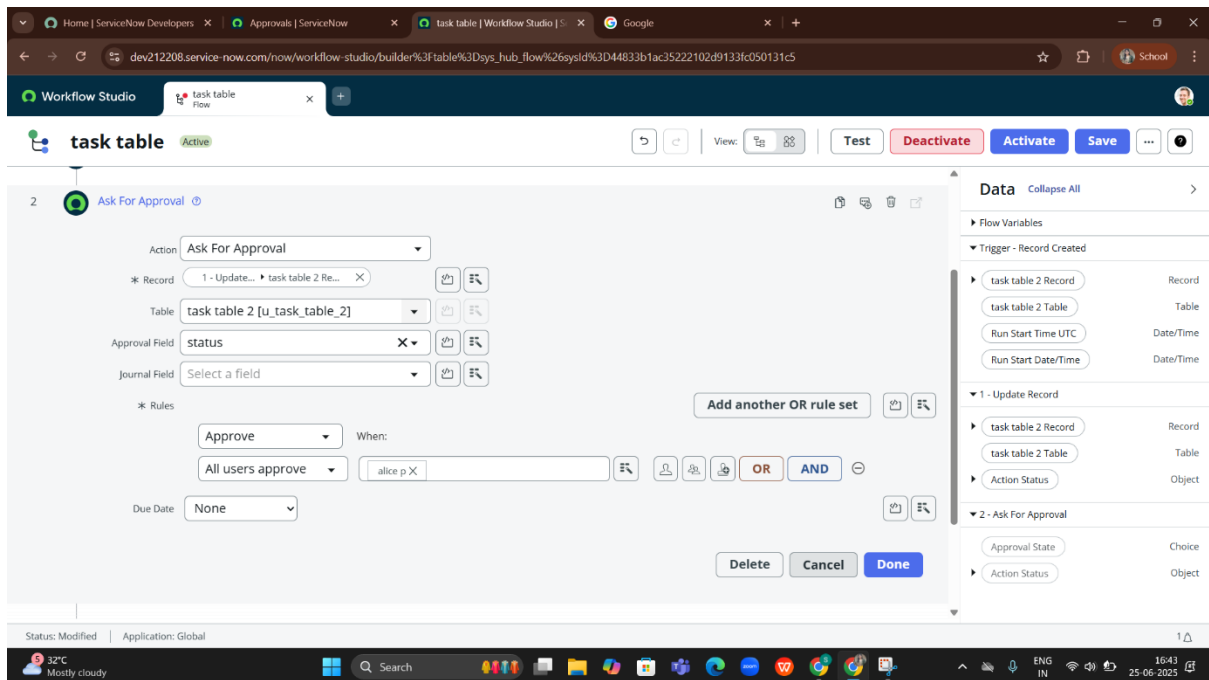
Data   Collapse All   >

▶ Flow Variables

▼ Trigger - Record Created

▶ task table 2 Record	Record
task table 2 Table	Table
Run Start Time UTC	Date/Time
Run Start Date/Time	Date/Time

Status: Modified   Application: Global

Workflow Studio   task table Flow   ×   +

task table Inactive   View: Test   **Activate**   **Save**   …   ❓

TRIGGER

task table 2 Created where (status is in progress, and comments is feedback, and assigned to is bob)

ACTIONS Select multiple

Collapse Action 1 - Global - Update Record

1   Update task table 2 Record ⓘ

Action	Update Record ▾
* Record	Trigger - Re... ▶ task table 2 R... ×
* Table	task table 2 [u_task_table_2] × ▾
* Fields	status × ▾	completed ▾ ⊖

+ Add field value

Delete   **Cancel**   **Done**

Data   Collapse All   >

▶ Flow Variables

▼ Trigger - Record Created

▶ task table 2 Record	Record
task table 2 Table	Table
Run Start Time UTC	Date/Time
Run Start Date/Time	Date/Time

▼ 1 - Update Record

▶ task table 2 Record	Record
task table 2 Table	Table
▶ Action Status	Object

Status: Modified   Application: Global

Added necessary actions to be performed.

These are the results of the flow.

Conclusion:

This scenario highlights a structured approach to project management, showcasing the roles of Alice and Bob within a defined workflow. With Alice's oversight and Bob's execution, the team effectively collaborates

to ensure project success. The use of tables organizes key information, facilitating easy tracking of projects, tasks, and progress updates. Overall, this system promotes accountability, enhances communication, and leads to the successful completion of projects.