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

Team Id: **NM2025TMID18989**

Team Members: **5**

Team Leader: **Ebenezer A**

Team Member ١ **Mervyn Jabaraj M**

Team Member ٢ **Aaron Paul ES**

Team Member ٣ **Francis R**

Team Member ٣ **Kamash S**

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

Objective:

L.Define User Roles Clearly: Establish distinct roles for Alice (Project Manager) and Bob (Team Member) to ensure clarity in responsibilities and access rights within the project management tool.

2.Implement Access Control Mechanisms: Create a system that restricts Bob's access to project creation and editing features while allowing him to view and update his assigned tasks. thereby preventing unauthorized changes.

3.Streamline Workflow Processes: Develop a structured workflow for task assignment and progress tracking, ensuring that Alice can easily assign tasks to Bob and monitor their completion in a timely manner.

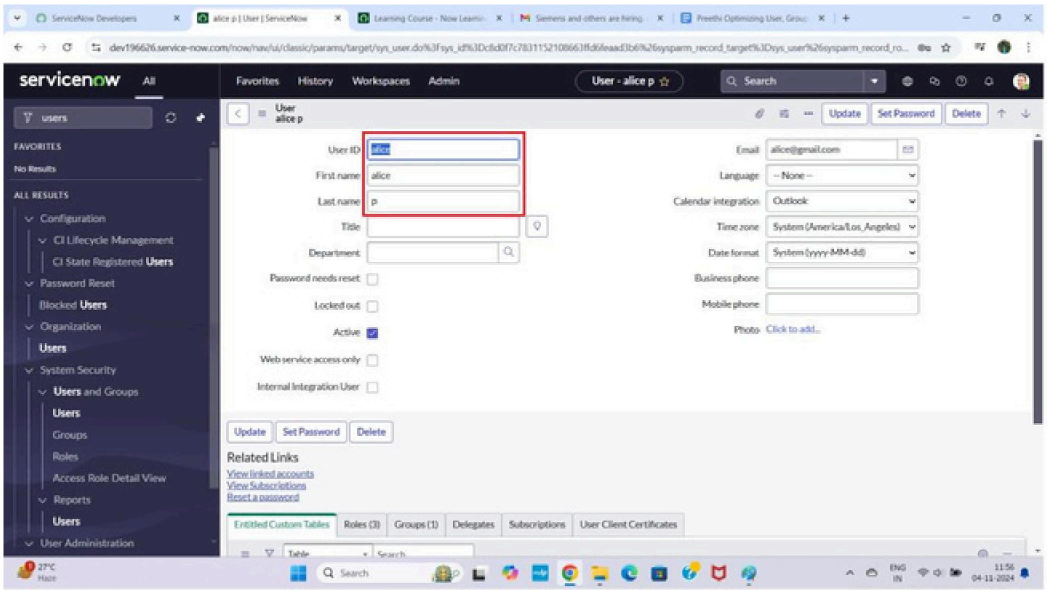
Skills: Users, Groups, Roles, Tables, Access Control List, Flow Designer

TASK INITIATION

Milestone ١ : Users

Activity ١: Create Users

١. Open service now
٢. Click on All ‹‹ search for users
٣. Select Users under system security
٤. Click on new
٥. Fill the following details to create a new user
٦. Click on submit



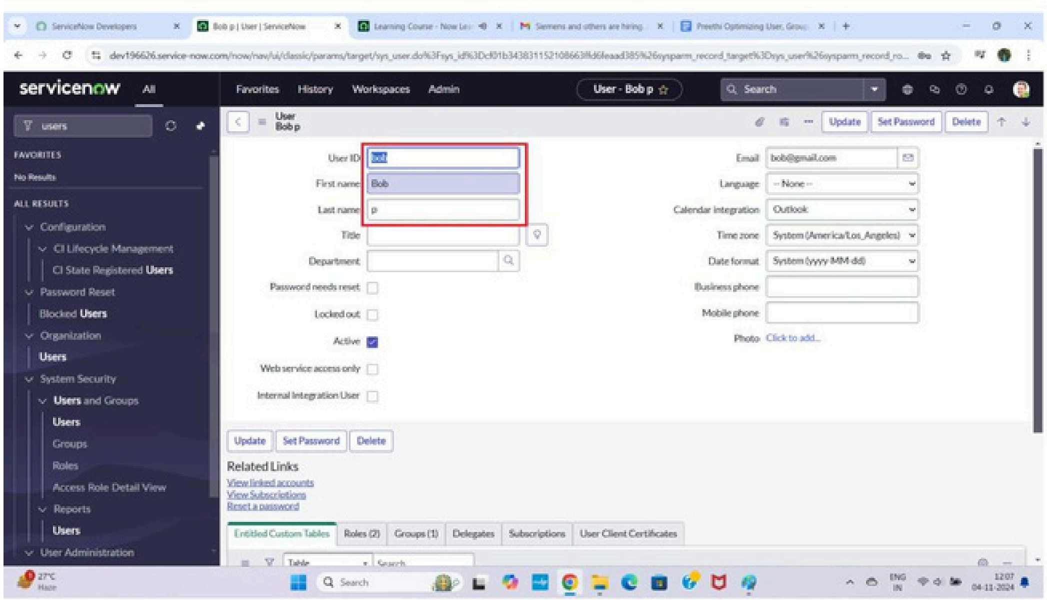
Create one more user :

٧ Create another userwiththe following details

. Click on submit

٨

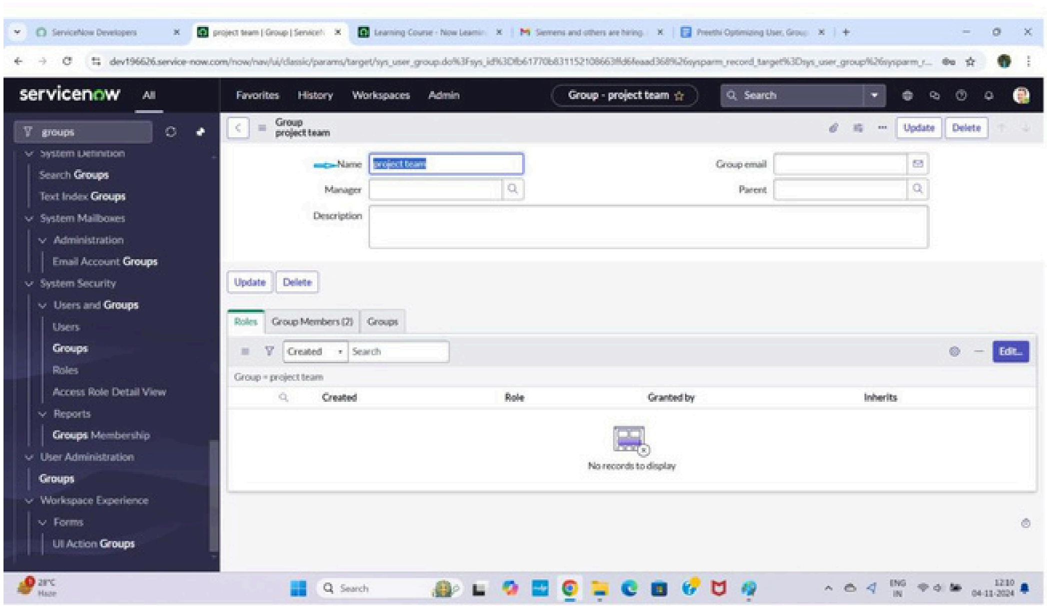
.



Milestone ٢ : Groups

Activity ١ : Create Groups

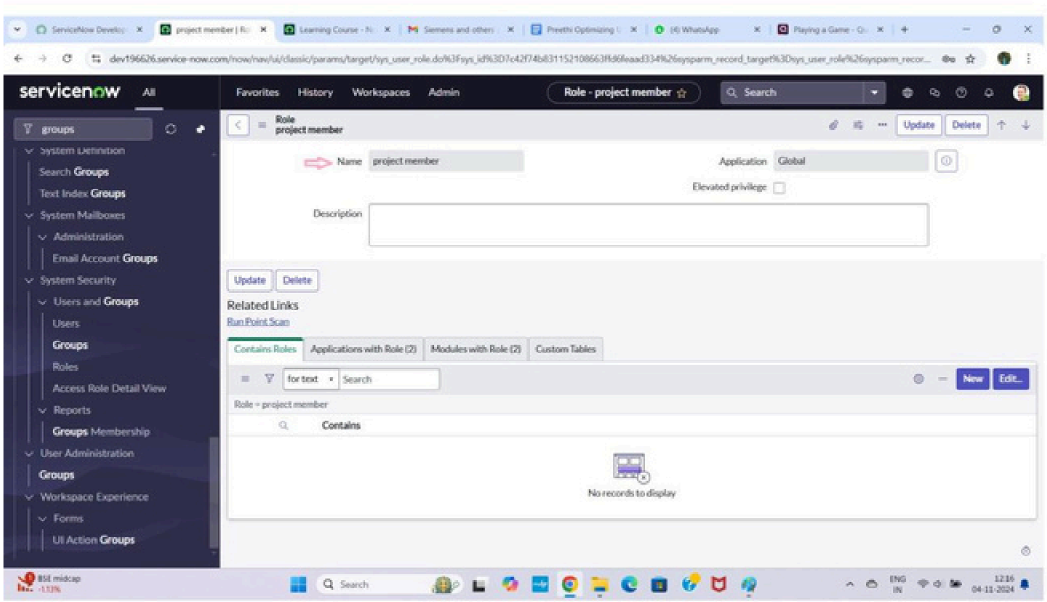
١ . Open service now .
٢ . Click on All << search for groups
٣ . Select groups under system security
٤ . Click on new
٥ . Fill the following details to create a new group
٦ . Click on submit



Milestone ٣ : Roles

Activity ١ : Create roles

١ . Open service now .
٢ . Click on All << search for roles
٣ . Select roles under system security
٤ . Click on new
٥ . Fill the following details to create a new role
٦ . Click on submit



Createone more role :

٧ . Create anotherrole with the following details

٨ . Click on submit

Milestone ٤ : Table Activity ١ : Create Table

١ . Open service now .

٢ . Click on All << search for tables

٣ . Select tables under system definition

٤ . Click on new

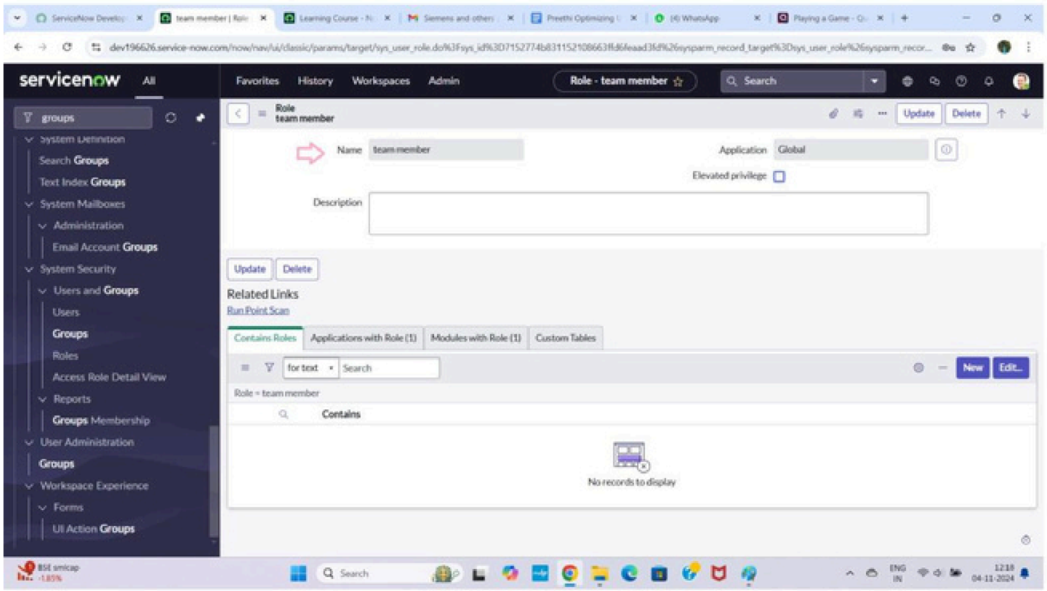
٥ . Fill the following details to create a new table

Label : project table

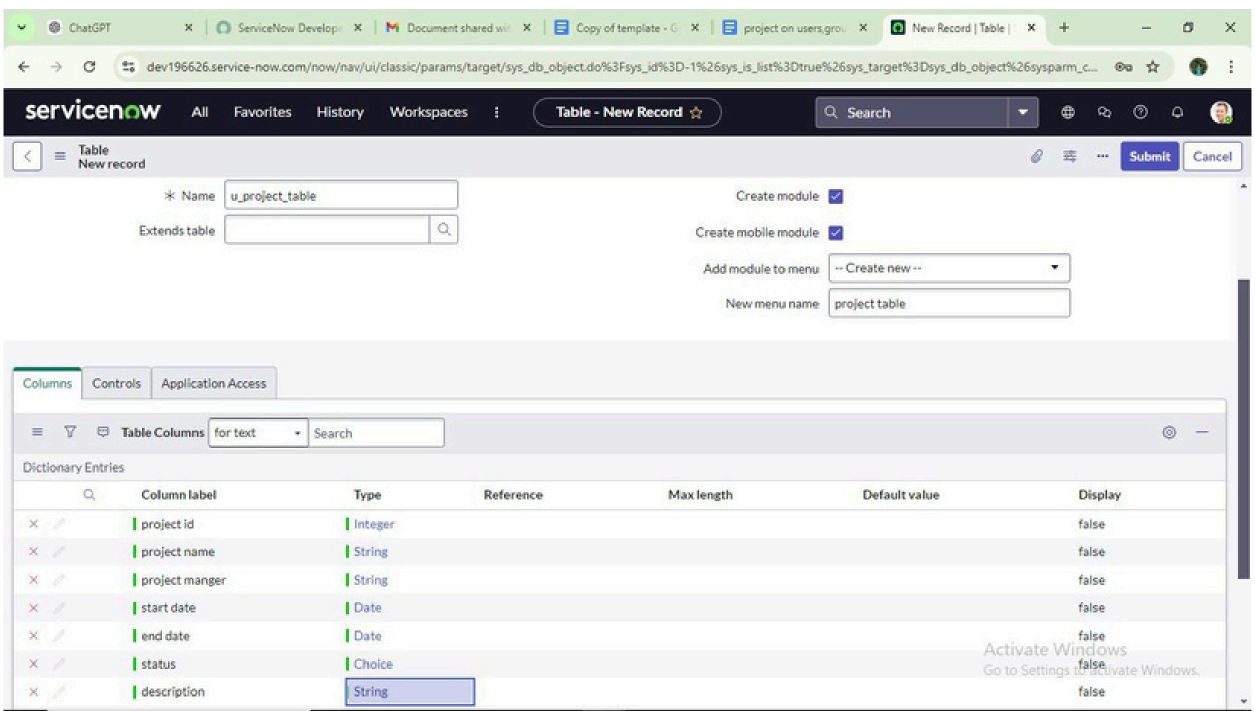
Check the boxes Create module & Create mobile module

٦ . Under new menu name : project table

٧ . Under table columns give the columns



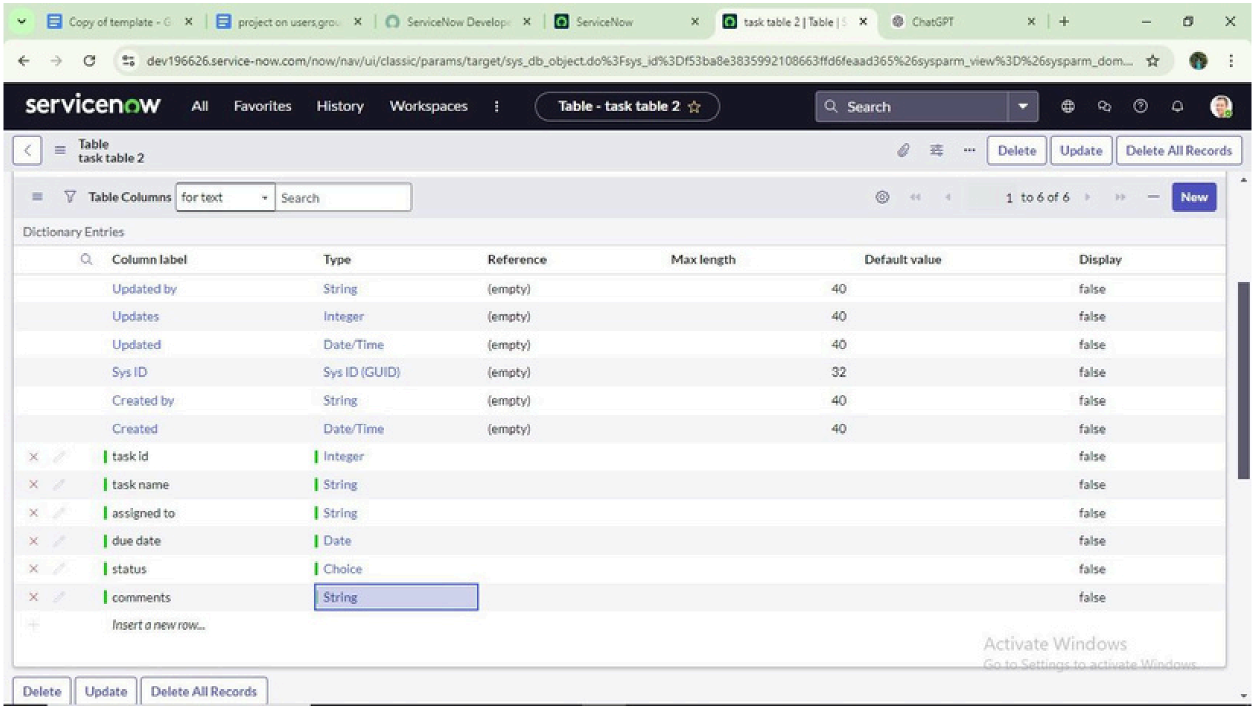
٨. Click on submit



Create one more table:

٩. Create another table as: task table ٢ and fill with following details.

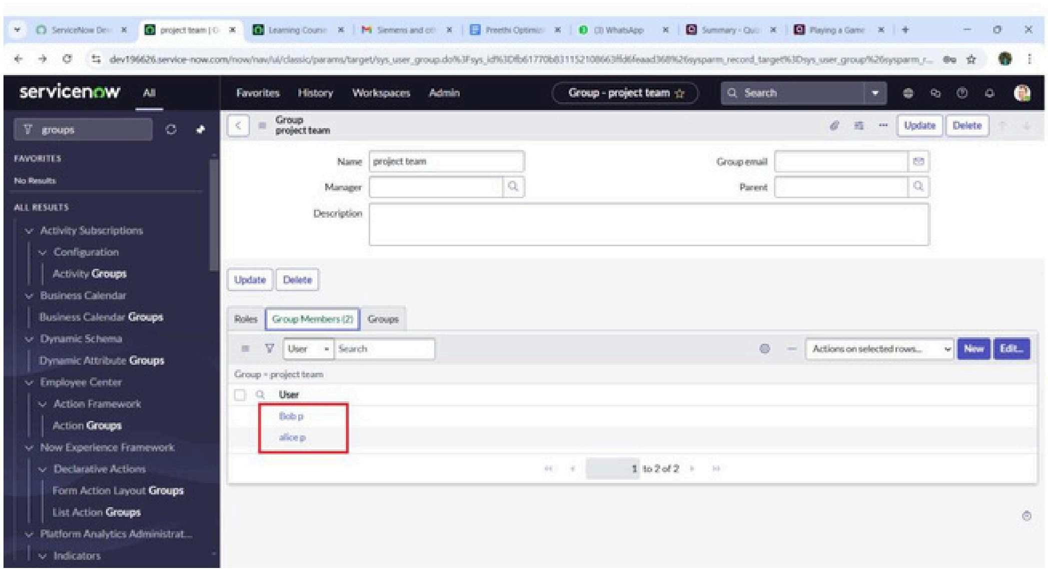
١٠. Click on submit.



Milestone ٥ : Assign users to groups

Activity ١: Assign users to project team group

١. Open service now.
٢. Click on All << search for groups
٣. Select tables under system definition
٤. Select the project team group
٥. Under group members
٦. Click on edit
٧. Select alice p and bob p and save

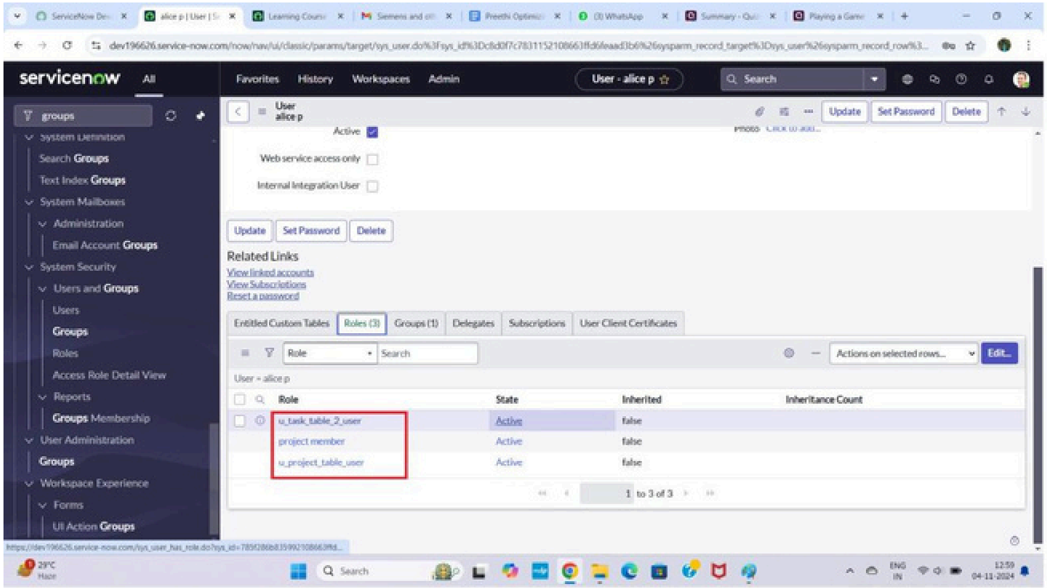


Milestone ٦ : Assign roles to users

Activity ١: Assign roles to alice user

١. Open servicenow. Click on All << search for user

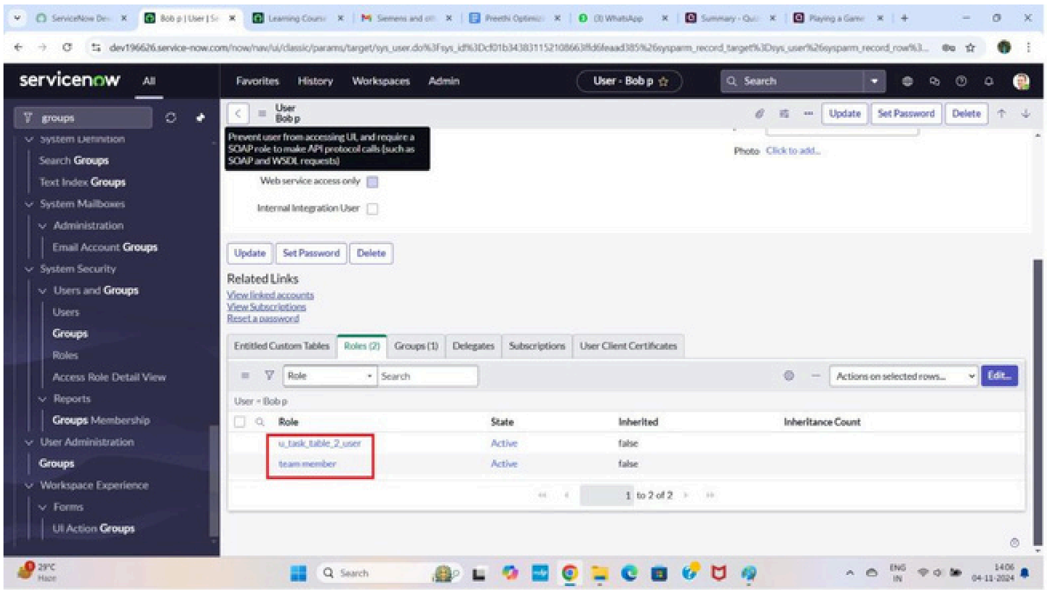
٢. Select tables under system definition
٣. Select the project manager user
٤. Under project manager
٥. Click on edit
٦. Select project member and save
٧. click on edit add u_project_table role and u_task_table role
٨. click on save and update the form.



Activity ٢: Assign roles to bob user

١. Open servicenow. Click on All ‹‹ search for user

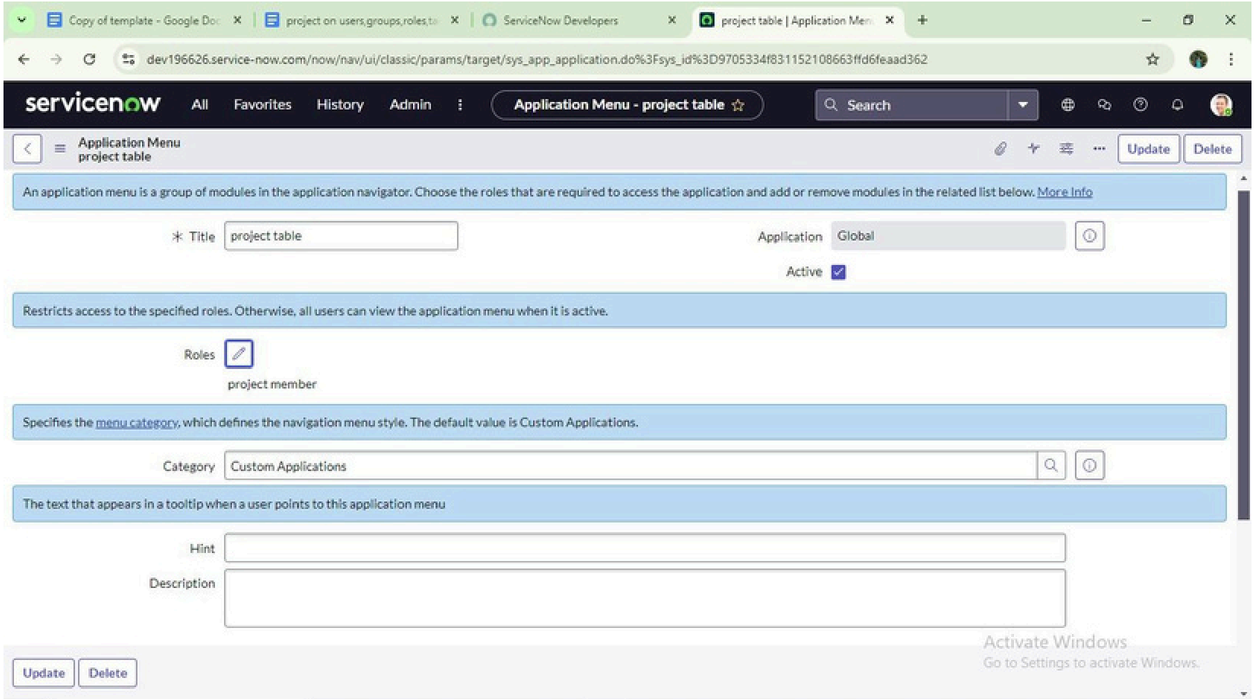
٢. Select tables under system definition
٣. Select the bob p user
٤. Under team member
٥. Click on edit
٦. Select team member and give table role and save
٧. Click on profile icon Impersonate user to bob
٨. We can see the task table٢.



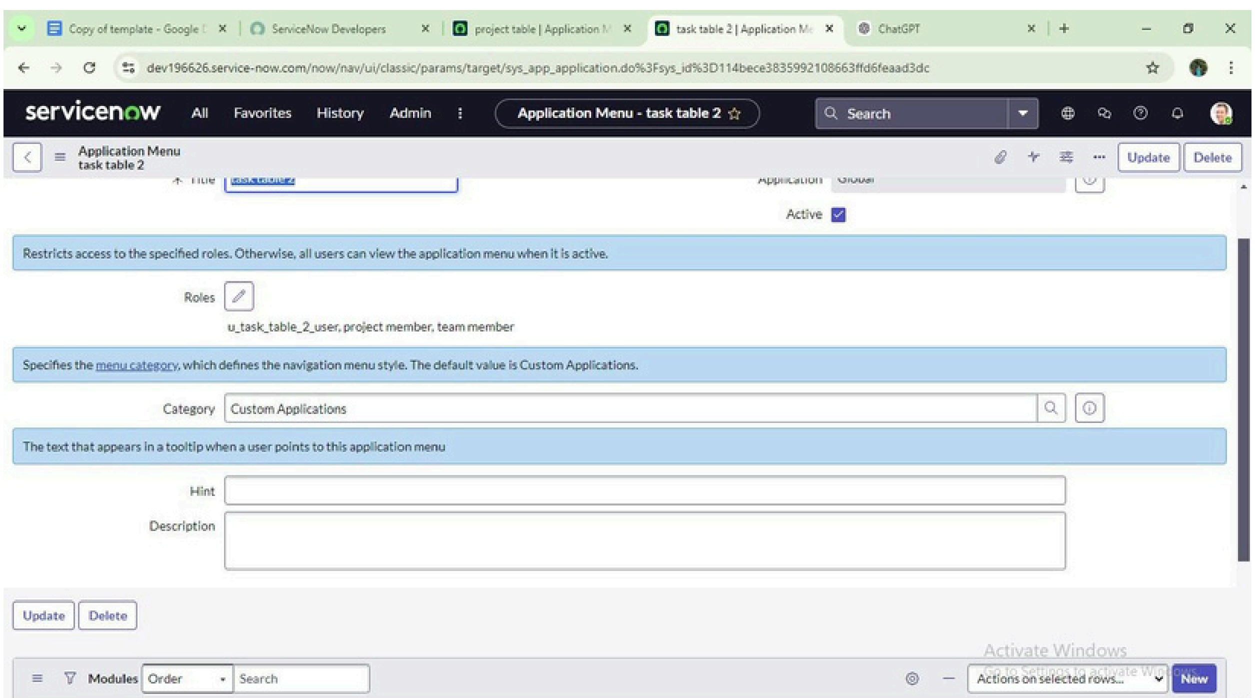
Milestone ٧ : Application access

Activity ١ : Assign table access to application

1. while creating a table it automatically create a application and module for that table
2. Go to application navigator search for search project table application
3. Click on edit module
4. Give project member roles to that application
5. Search for task table٢ and click on edit application .
6. Give the project member and team member role for task table ٢ application



Copy of template - Google Doc
project on users,groups,roles,ta
ServiceNow Developers
project table | Application Men
dev196626.service-now.com/now/nav/ui/classic/params/target/sys_app_application.do%3Fsys_id%3D9705334f831152108663ffd6feaad362
servicenow
All
Favorites
History
Admin
Application Menu - project table
Search
Application Menu
project table
Update
Delete
An application menu is a group of modules in the application navigator. Choose the roles that are required to access the application and add or remove modules in the related list below. More Info
Title
project table
Application
Global
Active
Restricts access to the specified roles. Otherwise, all users can view the application menu when it is active.
Roles
project member
Specifies the menu category, which defines the navigation menu style. The default value is Custom Applications.
Category
Custom Applications
The text that appears in a tooltip when a user points to this application menu
Hint
Description
Activate Windows
Go to Settings to activate Windows.
Update
Delete



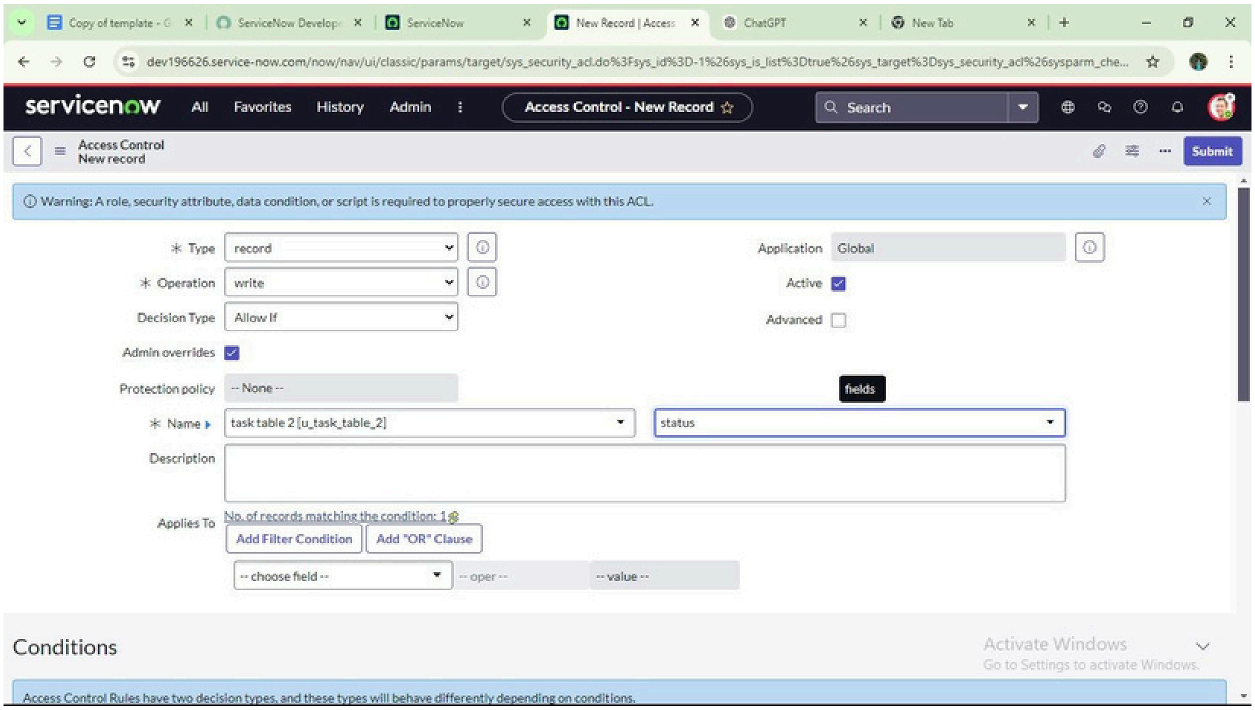
Copy of template - Google
ServiceNow Developers
project table | Application M
task table 2 | Application M
ChatGPT
dev196626.service-now.com/now/nav/ui/classic/params/target/sys_app_application.do%3Fsys_id%3D114bece3835992108663ffd6feaad3dc
servicenow
All
Favorites
History
Admin
Application Menu - task table 2
Search
Application Menu
task table 2
Update
Delete
Active
Restricts access to the specified roles. Otherwise, all users can view the application menu when it is active.
Roles
u_task_table_2_user, project member, team member
Specifies the menu category, which defines the navigation menu style. The default value is Custom Applications.
Category
Custom Applications
The text that appears in a tooltip when a user points to this application menu
Hint
Description
Update
Delete
Activate Windows
Modules
Order
Search
Actions on selected rows...
New

Smart Internz

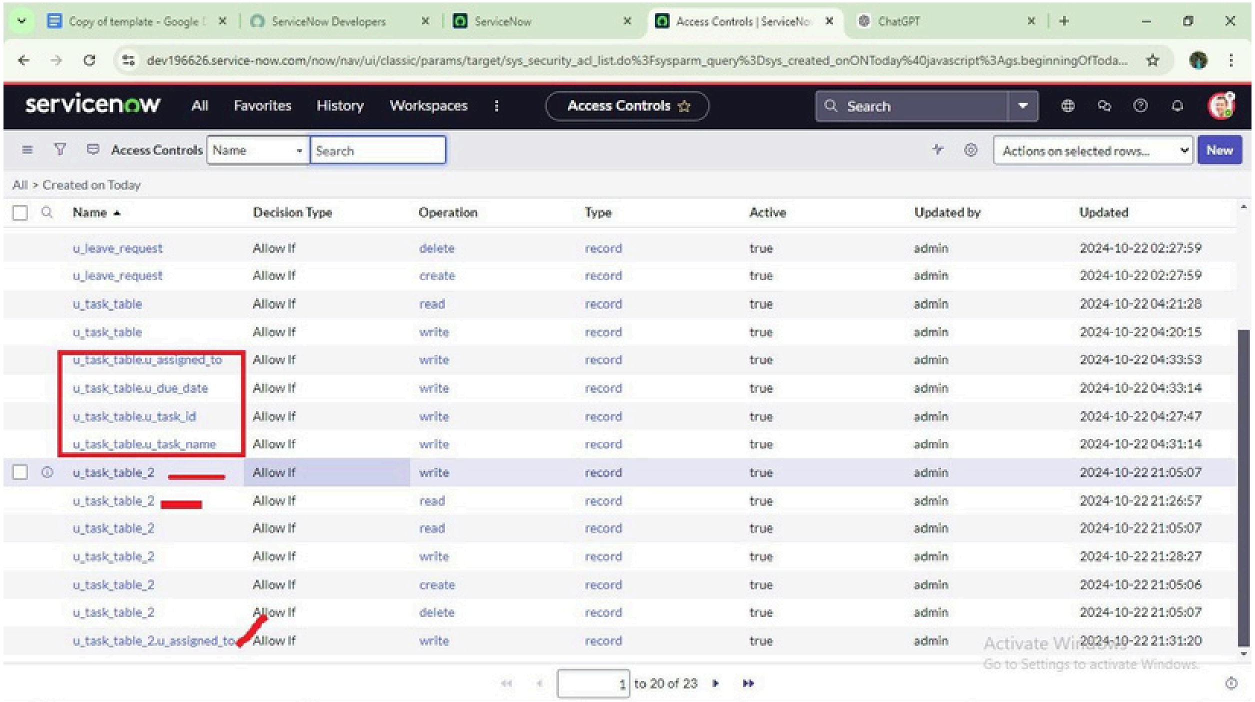
SMARTBRIDGE
Let's Bridge the Gap

Milestone ٨ :Access control list Activity ١: Create ACL

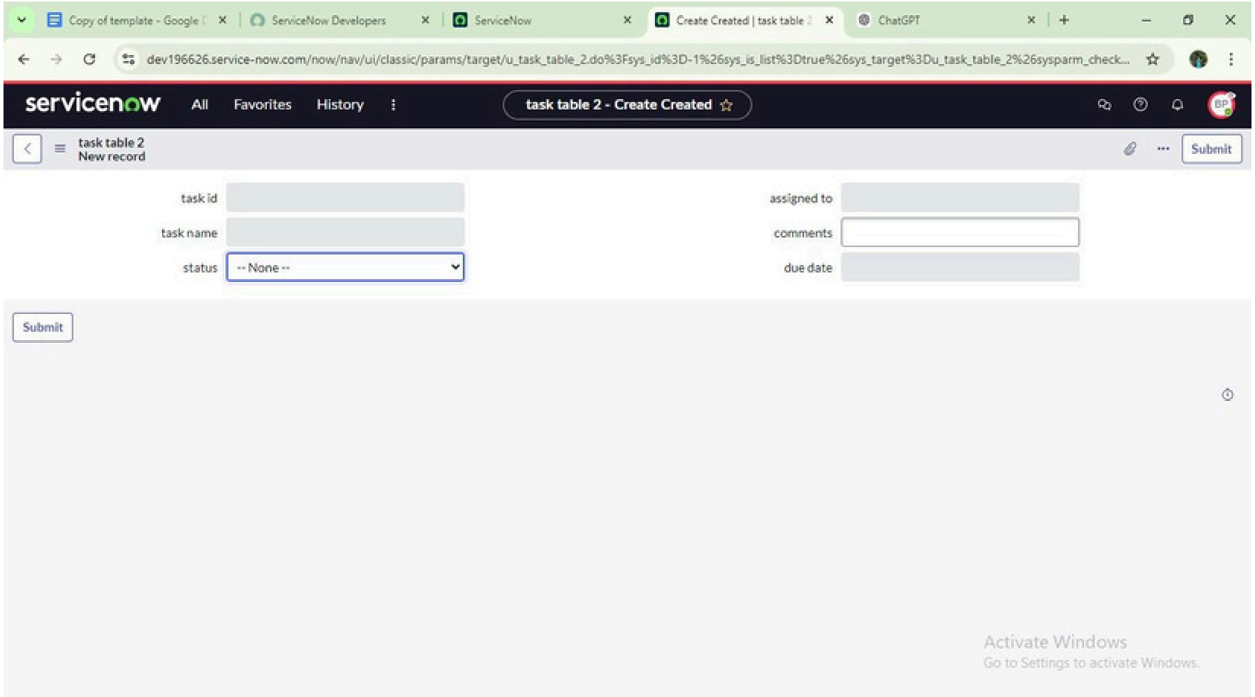
١. Open service now.
٢. Click on All << search for ACL
٣. Select Access Control(ACL) under system security
٤. Click on elevate role ٥. Click on new



٦. Fill the following details to create a new ACL
٧. Scroll down under requires role
٨. Double click on insert a new row
٩. Give task table and team member role
١٠. Click on submit
١١. Similarly create ٤ acl for the following fields



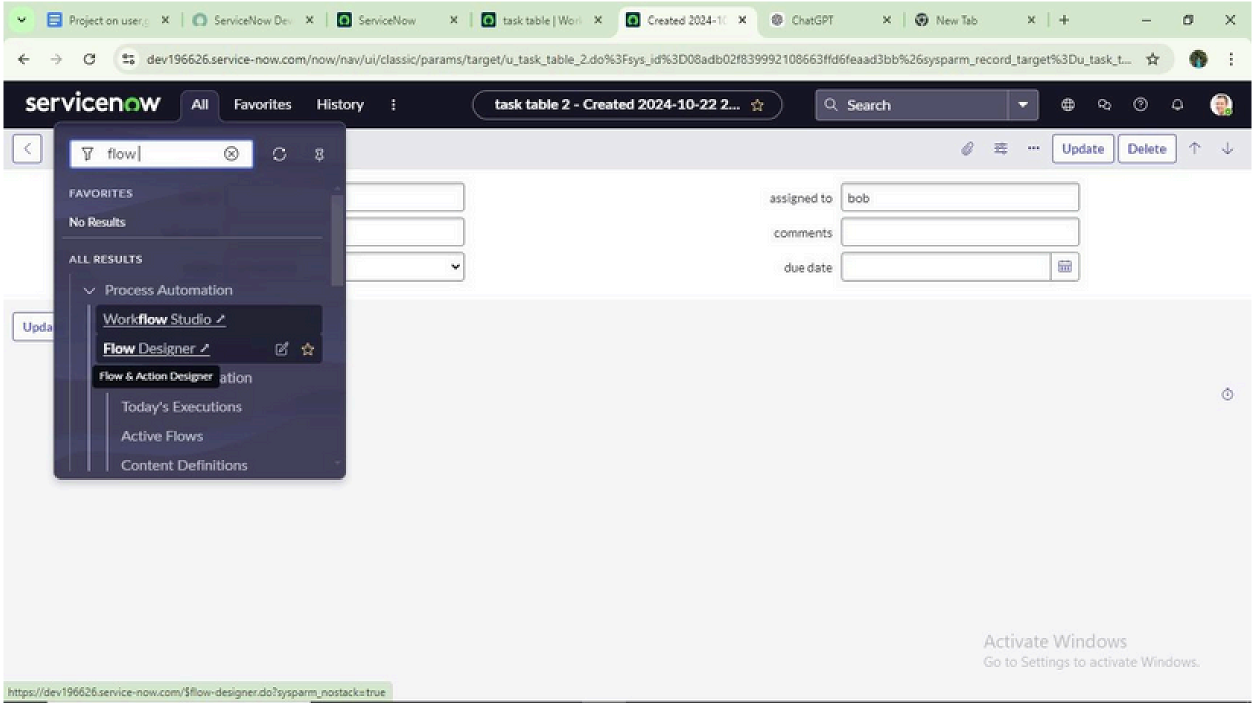
١٢. Click on profile on top right side
١٣. Click on impersonate user
١٤. Select bob user
١٥. Go to all and select task table٢ in the application menu bar
١٦. Comment and status fields are have the edit access

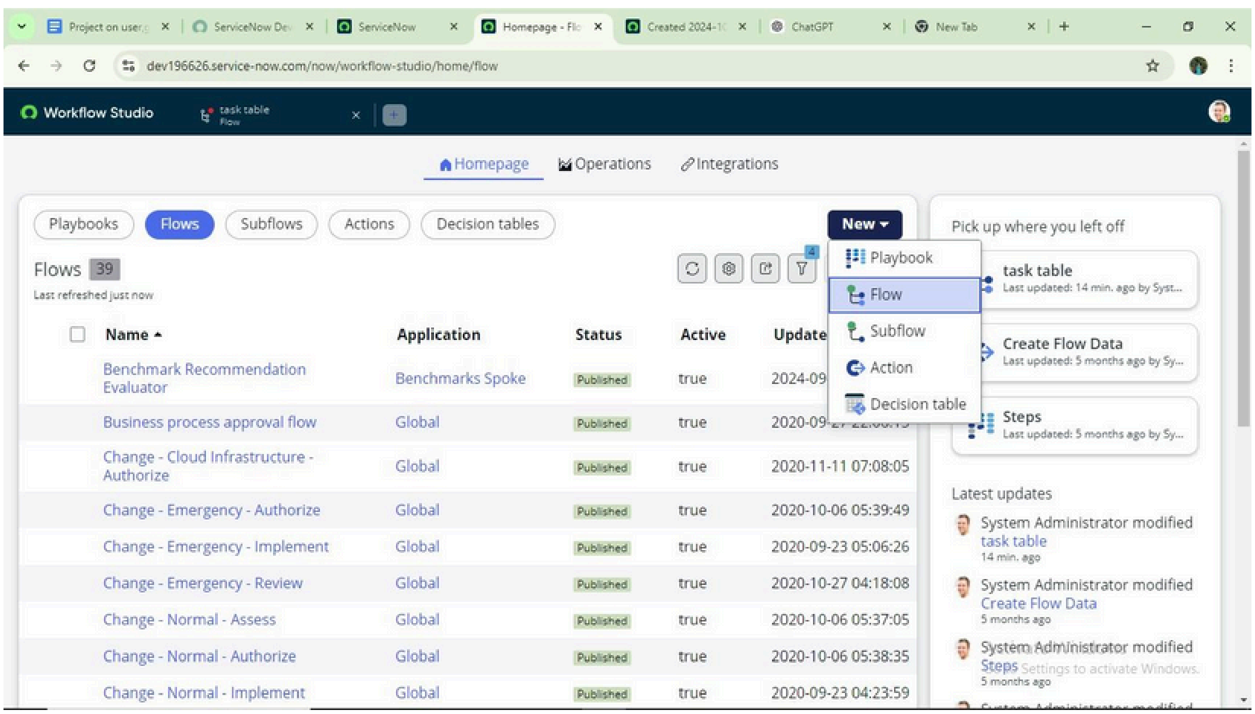


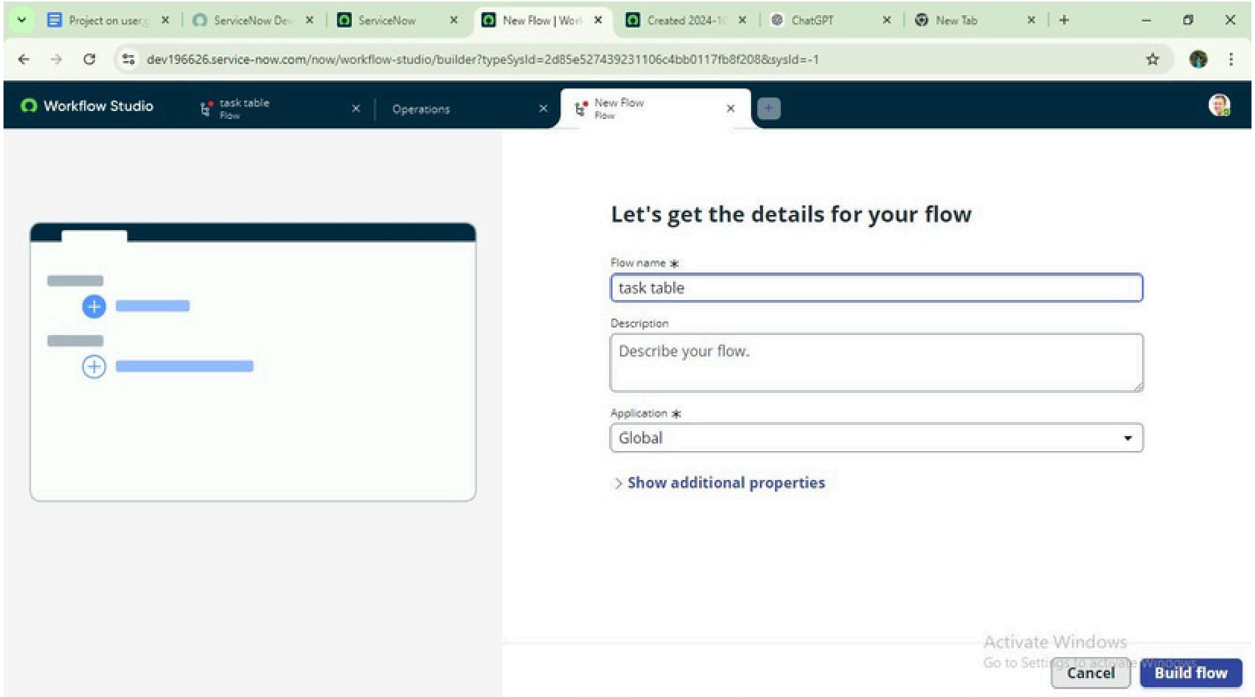
Milestone ٩ : Flow

Activity ١ : CreateaFlow to Assign operations ticket to group

١. Open service now.
٢. Click on All << search for Flow Designer
٣. Click on Flow Designer under Process Automation.
٤. After opening Flow Designer Click on new and select Flow.
٥. Under Flow properties Give Flow Name as “ task table”.
٦. Application should be Global.
٧. Click build flow.

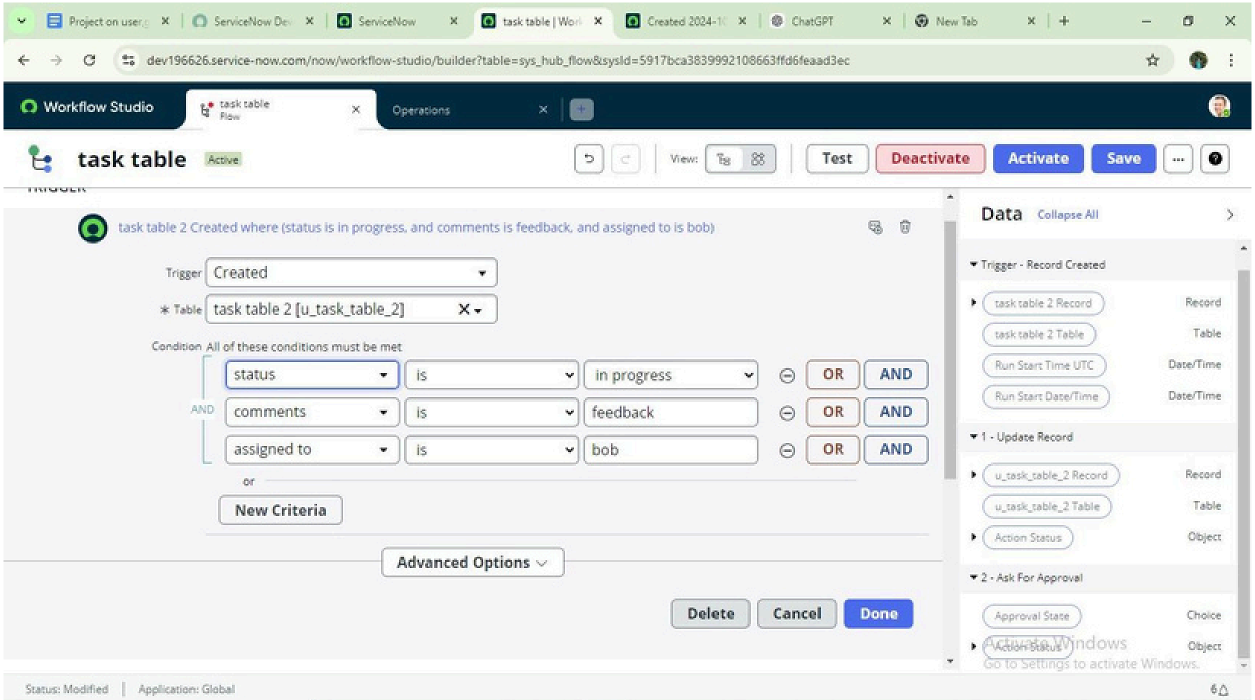

dev196626.service-now.com/now/nav/ui/classic/params/target/u_task_table_2.do%3Fsys_id%3D08adb02f839992108663ffd6feaad3bb%26sysparm_record_target%3Du_task_t...
servicenow
All
Favorites
History
task table 2 - Created 2024-10-22 2...
Search
flow
FAVORITES
No Results
ALL RESULTS
Process Automation
Workflow Studio
Flow Designer
Flow & Action Designer
Today's Executions
Active Flows
Content Definitions
Update
Delete
assigned to
bob
comments
due date
Activate Windows
Go to Settings to activate Windows.
https://dev196626.service-now.com/$flow-designer.do?sysparm_nostack=true


dev196626.service-now.com/now/workflow-studio/home/flow
Workflow Studio
task table
Flow
Homepage
Operations
Integrations
Playbooks
Flows
Subflows
Actions
Decision tables
New
Playbook
Flow
Subflow
Action
Decision table
Flows 39
Last refreshed just now
Name
Application
Status
Active
Update
Benchmark Recommendation Evaluator
Benchmarks Spoke
Published
true
2024-09
Business process approval flow
Global
Change - Cloud Infrastructure - Authorize
2020-11-11 07:08:05
Change - Emergency - Authorize
2020-10-06 05:39:49
Change - Emergency - Implement
2020-09-23 05:06:26
Change - Emergency - Review
2020-10-27 04:18:08
Change - Normal - Assess
2020-10-06 05:37:05
Change - Normal - Authorize
2020-10-06 05:38:35
Change - Normal - Implement
2020-09-23 04:23:59
Pick up where you left off
task table
Last updated: 14 min. ago by Syst...
Create Flow Data
Last updated: 5 months ago by Sy...
Steps
Last updated: 5 months ago by Sy...
Latest updates
System Administrator modified
task table
14 min. ago
System Administrator modified
Create Flow Data
5 months ago
System Administrator modified
Steps
5 months ago



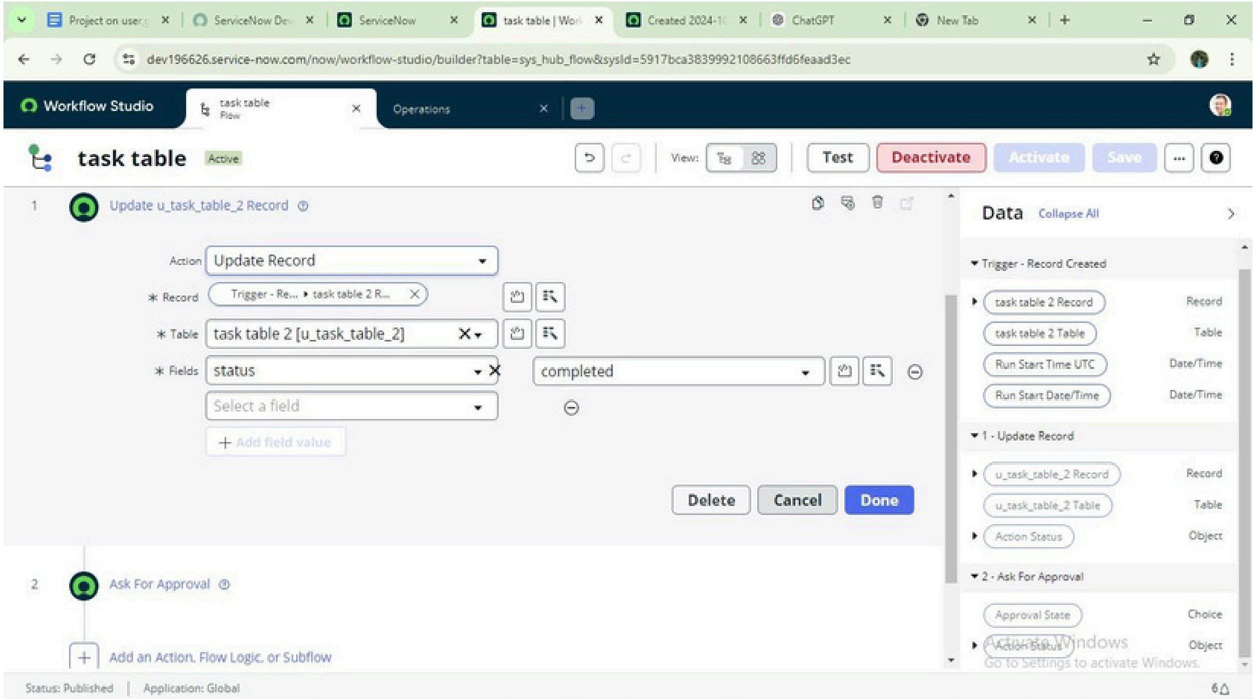
next step

١. ClickonAddatrigger
٢. SelectthetriggerinthatSearchfor “create record” and select that.
٣. Givethetablenameas“tasktable ”.
٤. GivetheConditionasField : status Operator : is Value : in progress
Field : commentsOperator : isValue : feedback
Field : assigned to Operator : is Value : bob
٥. AfterthatclickonDone.



Next step:

١. Clickon Add an action.
٢. Selectaction in that ،search for “ update records”.
٣. In Record field drag the fields from the data navigation from Right Side(Data pill)
٤. Tablewill be auto assigned after that
٥. Addfields as “status” and value as “completed”
٦. Clickon Done.



Next step :

١ . NowunderActions .

٢ . ClickonAdd an action .

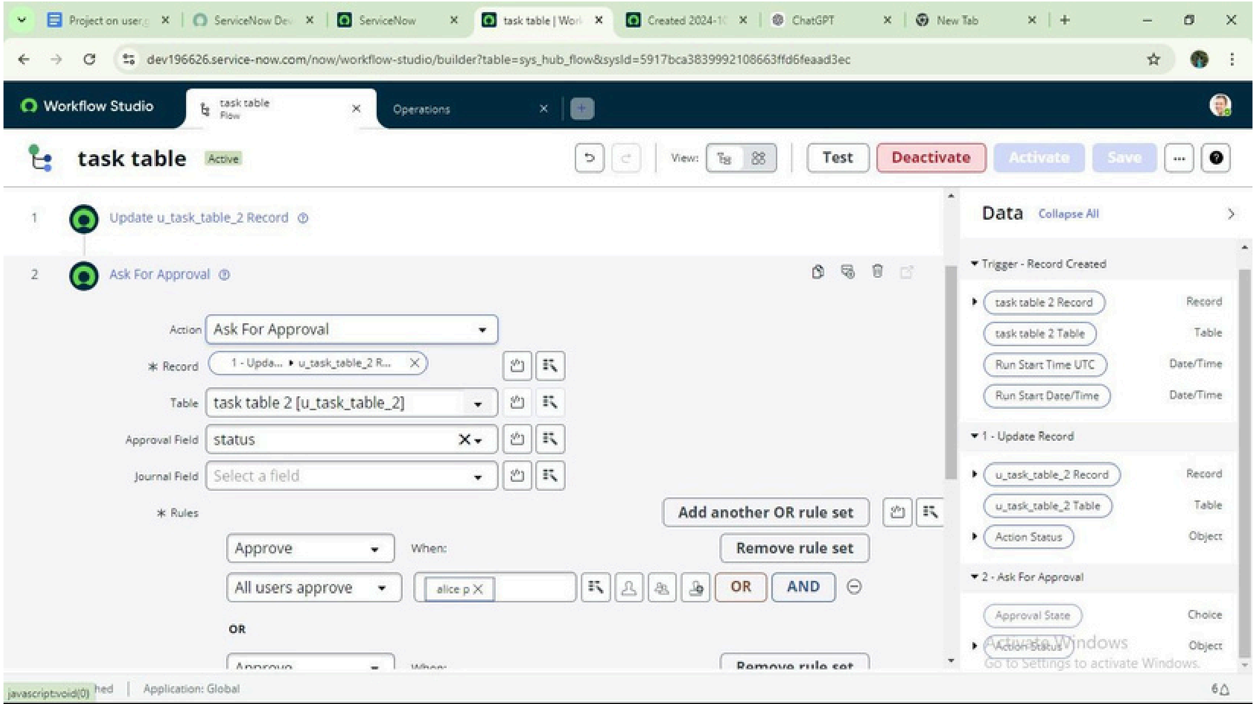
٣ . Selectaction in that ،search for “ ask for approval ” .

٤ . In Recordfield drag the fields from the data navigation from Right side

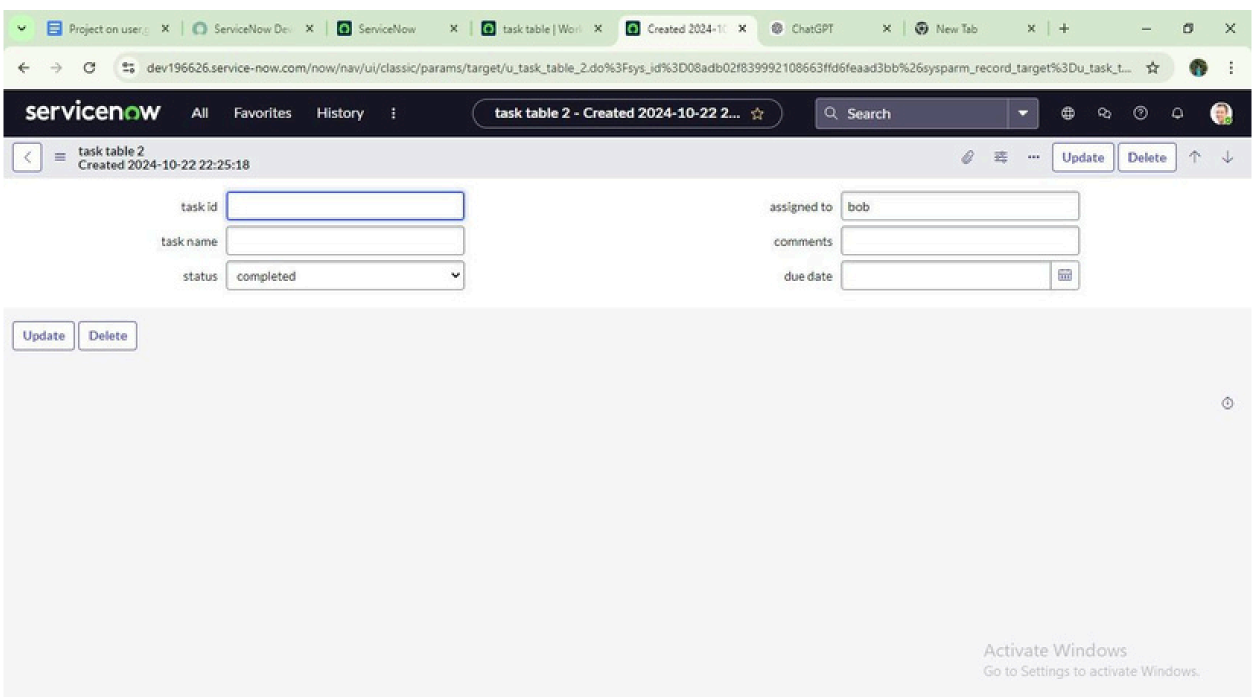
٥ . Tablewillbe auto assigned after that

٦ . Givetheapprove field as “ status” ٧ . Give approver as alice p

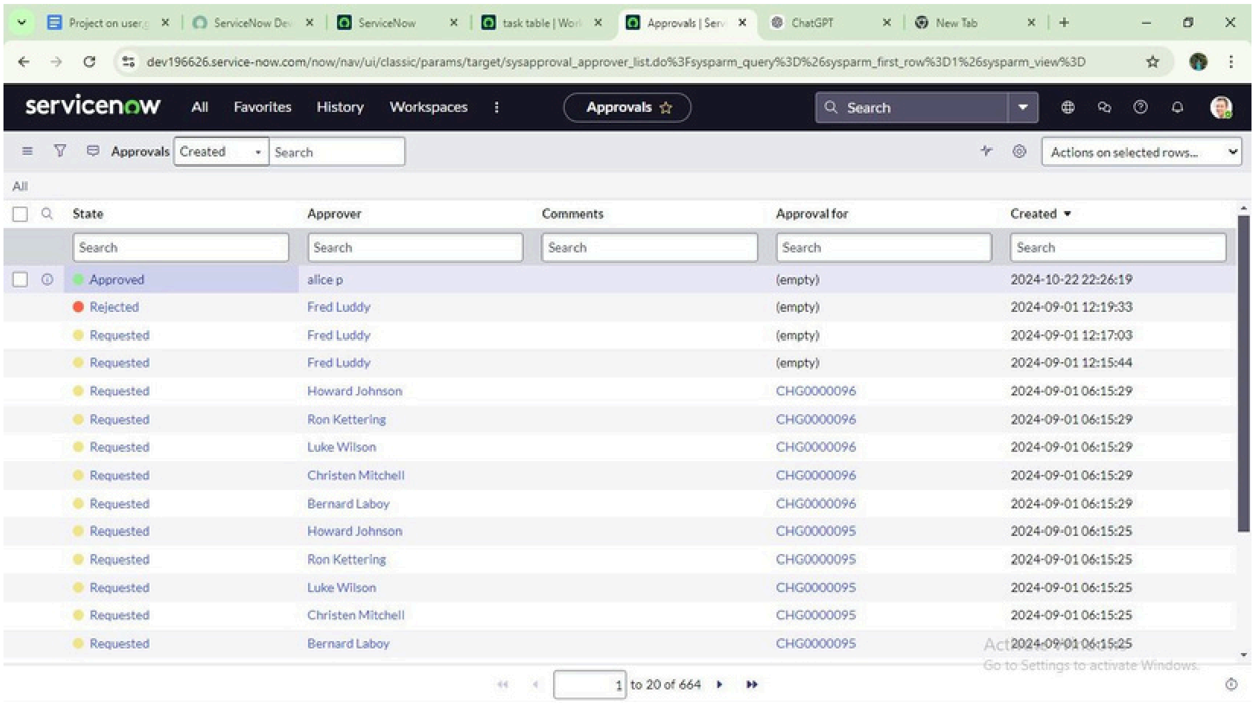
٨ . ClickonDone .



٩ . Go to application navigator search for task table .
١٠ . It status field is updated to completed



١١. Go to application navigator and search for my approval
١٢. Click on my approval under the service desk.
١٣. Alice p got approval request then right click on requested then select approved



Conclusion :

Effective user, group, and role management combined with robust access control and workflow systems are essential components for maintaining the security, efficiency, and scalability of any organization's IT infrastructure.