

# Project Design Phase – II

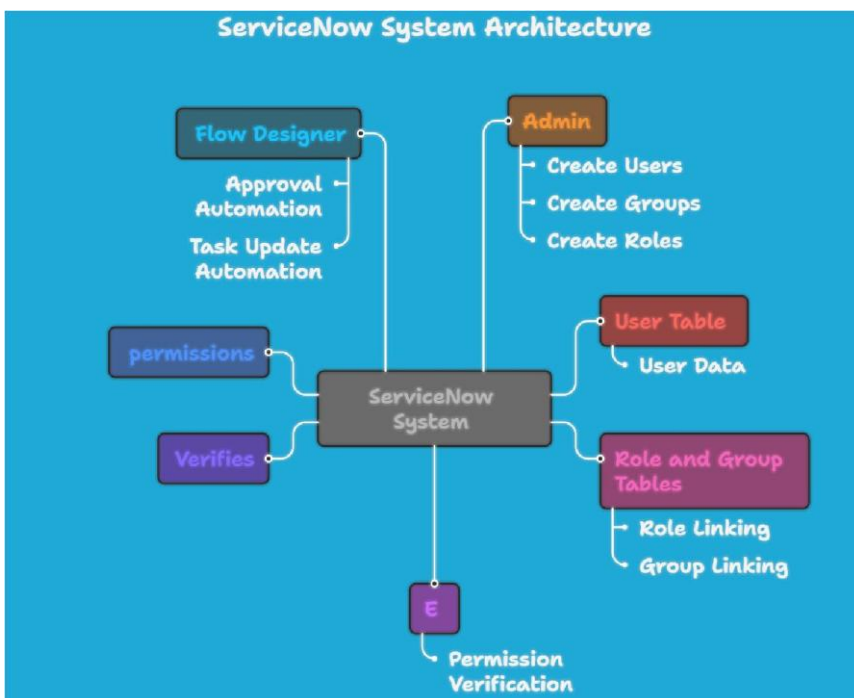
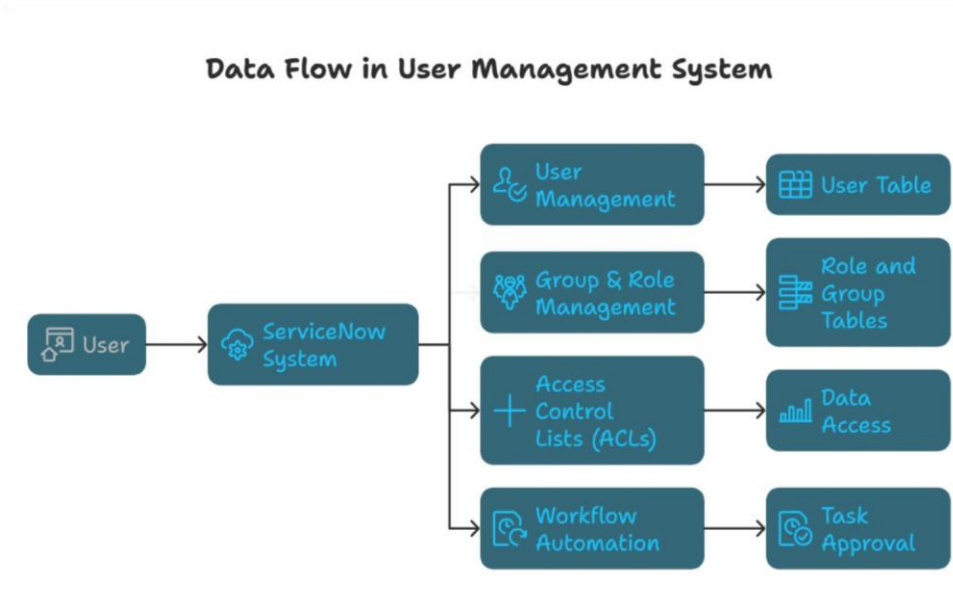
## Data Flow Diagram & User Stories

Date: 02 November 2025

Team ID: NM2025TMID07929

Project Name: Optimizing User, Group, and Role Management with Access Control and Workflows

Maximum Marks: 4 Marks



**User Stories:**

| User Type                     | Functional Requirement (Epic) | User Story Number | User Story / Task  | Acceptance Criteria   | Priority | Release  |
|-------------------------------|-------------------------------|-------------------|--|---|----------|----------|
| <b>Administrator</b>          | User Management               | USN-1             | As an admin, I want to create and manage user accounts so that each team member has access to the ServiceNow system. | The system allows adding, editing, and viewing users through the User module. | High     | Sprint-1 |
| <b>Administrator</b>          | Group Management              | USN-2             | As an admin, I want to create groups to better organize project team members.  | Groups can be created and linked to roles in the system.                      | High     | Sprint-1 |
| <b>Admin / System</b>         | Role Management               | USN-3             | As an admin, I want to define and assign roles to manage access permissions effectively.                             | Users gain access only to modules defined by their roles.                     | High     | Sprint-2 |
| <b>Administrator</b>          | Assign Users to Groups        | USN-4             | As an admin, I want to assign users to appropriate groups and roles to enable task-based access control.             | Users inherit group roles and permissions after assignment.                   | Medium   | Sprint-2 |
| <b>System (Autocheck)</b>     | Application Access            | USN-5             | As a system, I want to automatically validate role-based access for each module to ensure proper authorization.      | Access to tables and modules is restricted based on assigned roles.           | High     | Sprint-3 |
| <b>Administrator</b>          | Access Control List (ACL)**   | USN-6             | As an admin, I want to configure Access Control Lists (ACLs) to protect data and prevent unauthorized changes.       | Users can only view or edit fields as per ACL rules.                          | High     | Sprint-3 |
| <b>System (Flow Designer)</b> | Workflow Automation           | USN-7             | As a system, I want to automate task status updates and approval workflows using Flow Designer.                      | Status changes to “Completed” upon approval, ensuring streamlined workflow.   | High     | Sprint-4 |