

Dynamic User Management

Data Systems Sciences & Engineering Group

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The screenshot displays the 'CSAT Operational User Management Application' interface. At the top, there are navigation tabs for 'Users', 'Groups', 'Workflow', and 'Admin'. The 'Workflow' tab is active, and the sub-tab 'Pending Account Form' is selected. The current LDAP is identified as 'CSAT OID'. The form itself includes a 'Create' button and a 'Cancel' button. Below these are input fields for 'User ID', 'First Name', 'Last Name', and 'Email Address'. A 'State' dropdown menu is also present. At the bottom, there is a 'Groups' section with a list of roles such as 'ascontrol_admin', 'ascontrol_appadmin', 'ascontrol_monitor', 'csat_admin', 'csat_authorizer', 'csat_corporate_officer', 'csat_csc_assistant_adr', 'csat_csc_assistant_edr', 'csat_csc_assistant_use', and 'csat_cvi'. A tree view structure is visible next to this list, showing hierarchical relationships between the roles.

- **Problem Statement:**
 - With the natural expansion of a data system to include many categories of data, a need arises to expand the user base of the system and provide tools to automate user management processes
- **Technical Approach:**
 - Implement a common API & GUI to manage the user base
 - Design an object-oriented API that allows for easy integration of new user bases
 - Develop a web 2.0 GUI and enhance it using AJAX and the jQuery JavaScript library
- **Benefit:**
 - An integrated workflow approach allows automation of user management processes
 - The audience for the application is able to perform user management operations for all user bases using an enhanced web 2.0 user interface
- **Technology Readiness Level 9**

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