

Screenshots for Part 3

CREATE NEW USER

The screenshot shows a web-based application titled "Discretionary Access Control Management". On the left, a sidebar menu lists various database management tasks under the "DADM" heading. The main area is titled "Create New User". Under "User Settings", there are two input fields: "Username" (containing "Name") and "Phone Number" (containing "XXX-XXX-XXXX"). A blue button labeled "Execute Query" is positioned below these fields. To the right, a table titled "Existing User Details" displays 10 rows of user information, each with columns for "User ID", "Phone", and "User Name". A green banner at the top of the page indicates "User Added!". The system status bar at the bottom right shows the time as 3:49 PM and the date as 11/22/2020.

This screenshot shows the same DADM application interface. In the "User Settings" section, the "Username" field contains "Name" and the "Phone Number" field contains "XXX-XXX-XXXX". When the "Execute Query" button is clicked, a red banner at the top displays the error message "User Exists". The rest of the interface and data table remain the same as the previous screenshot, showing the existing user list and the system status bar at the bottom right.

CREATE NEW ROLE

The screenshot shows a web browser window titled "Create New User" with the URL "localhost/dbms/SecurityDB/Forms/Code/html/new_role.php". The main content area is titled "Discretionary Access Control Management" and contains a "Create New Role" form. On the left, a sidebar lists various DACM functions. The "User Settings" section of the form has "Role Name" set to "newrole" and "Description" set to "This is a new role". To the right, a "Existing Roles" table lists ten roles with their descriptions:

Role Name	Description
clerk	clerk role
clerk	clerk role
hr	human resource
manager	manager
manager	manager
manager	manager
staff	staffing
staff	staffing
staff	staffing

After saving, a success message "Role Added" is displayed above the table. The "Description" field in the table for the "newrole" row now shows "This is a new role".

S Create New User + localhost/dbms/SecurityDB/Forms/Code/html/new_role.php

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DACM Discretionary Access Control Management

Create New Role

User Settings

Role Name: newrole
Description: This is a new role.

Existing Roles

Role Name	Description
clerk	clerk role
clerk	clerk role
hr	human resource
manager	manager
manager	manager
manager	manager
newrole	This is a new role.
staff	staffing

Execute Query

3:53 PM 11/22/2020

S Create New User + localhost/dbms/SecurityDB/Forms/Code/html/new_role.php

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DACM Discretionary Access Control Management

Create New Role

Role Already Exists

User Settings

Role Name: newrole
Description: This is a new role.

Existing Roles

Role Name	Description
clerk	clerk role
clerk	clerk role
hr	human resource
manager	manager
manager	manager
manager	manager
newrole	This is a new role.
staff	staffing
staff	staffing
staff	staffing

Execute Query

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CREATE NEW TABLE

Create New Table

localhost/dbms/SecurityDB/Forms/Code/html/create_new_table.php

Discretionary Access Control Management

User Settings

Table Name: newTable

Owner ID: 2

Existing Table Details

Table Name	Owner ID
clerkTable	1
hrTable	1
managerTable	2
staffTable	3
employeeTable	4
projectTable	5
locationTable	6
supervisorTable	7
departmentTable	8
dependentTable	9

Execute Query

Create New Table

localhost/dbms/SecurityDB/Forms/Code/html/create_new_table.php

Discretionary Access Control Management

Table Added!

User Settings

Table Name: newTable

Owner ID: 2

Existing Table Details

Table Name	Owner ID
clerkTable	1
hrTable	1
managerTable	2
newTable	2
staffTable	3
employeeTable	4
projectTable	5
locationTable	6
supervisorTable	7
departmentTable	8

Execute Query

Create New Table

localhost/dbms/SecurityDB/Forms/Code/html/create_new_table.php

DACM

Discretionary Access Control Management

Create New Table

User Settings

Table Name: newTable
Owner ID: 3

Existing Table Details

Table Name	Owner ID
clerkTable	1
hrTable	1
managerTable	2
newTable	2
staffTable	3
employeeTable	4
projectTable	5
locationTable	6
supervisorTable	7
departmentTable	8
dependentTable	9

Execute Query

3:54 PM 11/22/2020

Create New Table

localhost/dbms/SecurityDB/Forms/Code/html/create_new_table.php

DACM

Discretionary Access Control Management

Create New Table

Table Exists

User Settings

Table Name:
Owner ID:

Existing Table Details

Table Name	Owner ID
clerkTable	1
hrTable	1
managerTable	2
newTable	2
staffTable	3
employeeTable	4
projectTable	5
locationTable	6
supervisorTable	7
departmentTable	8

Execute Query

3:54 PM 11/22/2020

ADD NEW PRIVILEGE

The screenshot shows a web browser window titled "Create New User" on the address bar, with the URL localhost/dbms/SecurityDB/Forms/Code/html/add_privilege.php. The main content area is titled "Discretionary Access Control Management". On the left, there is a sidebar with various navigation links such as "Create New User", "Create New Role", "Create New Table", "Insert New Privilege", etc. The central part of the page is titled "Add A New Privilege". It has two main sections: "User Settings" and "Existing Privileges". In "User Settings", there are input fields for "Privilege ID" (containing "107") and "Privilege Type" (containing "reference"). Below these is a blue "Execute Query" button. To the right is a table titled "Existing Privileges" with columns "Privilege ID" and "Privilege Type". The table contains rows from 100 to 106, each with a different privilege type: create, drop, alter, insert, delete, update, and select respectively. At the bottom of the page, a green banner displays the message "Privilege Added!". The status bar at the bottom of the browser window shows the time as 3:54 PM and the date as 11/22/2020.

Privilege ID	Privilege Type
100	create
101	drop
102	alter
103	insert
104	delete
105	update
106	select

Screenshot of a web application titled "Discretionary Access Control Management". The page shows a form to "Add A New Privilege" and a table of existing privileges.

User Settings

- Privilege ID: 107
- Privilege Type: reference

Existing Privileges

Privilege ID	Privilege Type
100	create
101	drop
102	alter
103	insert
104	delete
105	update
106	select
107	reference

Screenshot of the same web application showing an error message: "Privilege Type Already Exists".

User Settings

- Privilege ID: (empty)
- Privilege Type: (empty)

Existing Privileges

Privilege ID	Privilege Type
100	create
101	drop
102	alter
103	insert
104	delete
105	update
106	select
107	reference

RELATE USER ACCOUNT TO ROLE

Screenshot of a web application titled "Discretionary Access Control Management" showing the "Assign Role to a User" page.

The left sidebar contains a navigation menu with the following items:

- Create New User
- Create New Role
- Create New Table
- Insert New Privilege
- Relate User Account to Role
- Relate Acc Priv to Role
- Add Relation Privilege
- Relate Relation Priv to Role and Table
- Revoke Privilege of User From Table
- Retrieve Role Privileges
- Retrieve User Privileges
- Check Privilege for User
- Access Table as User

The main content area shows the "Assign Role to a User" form with the following fields:

User Settings		
Role Name	Description	User Account ID
hr	clerk role	3
13	clerk role	5

A button labeled "Execute Query" is present below the "User Settings" section.

To the right, a table titled "Existing Role and Assigned Users" lists the following data:

Role Name	Description	User Account ID
clerk	clerk role	3
clerk	clerk role	5
hr	human resource	1
manager	manager	2
manager	manager	6
manager	manager	7
newrole	This is a new role.	12
staff	staffing	4
staff	staffing	8
staff	staffing	9
staff	staffing	10

Below the table, a message box displays "User Has Been Assigned a Role".

S Assign Roles to User Account +

localhost/dbms/SecurityDB/Forms/Code/html/relate_account_to_role.php

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DACM Discretionary Access Control Management

Assign Role to a User

User Settings

Role Name: hr

User ID: 13

Existing Role and Assigned Users

Role Name	Description	User Account ID
clerk	clerk role	3
clerk	clerk role	5
hr	human resource	1
hr	human resource	13
manager	manager	2
manager	manager	6
manager	manager	7
newrole	This is a new role.	12
staff	staffing	4
staff	staffing	8
staff	staffing	9

Execute Query

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S Assign Roles to User Account +

localhost/dbms/SecurityDB/Forms/Code/html/relate_account_to_role.php

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DACM Discretionary Access Control Management

Assign Role to a User

User Does Not Exist / User Already Assigned

User Settings

Role Name:

User ID:

Existing Role and Assigned Users

Role Name	Description	User Account ID
clerk	clerk role	3
clerk	clerk role	5
hr	human resource	1
hr	human resource	13
manager	manager	2
manager	manager	6
manager	manager	7
newrole	This is a new role.	12
staff	staffing	4
staff	staffing	8

Execute Query

3:56 PM 11/22/2020

RELATE ACCOUNT PRIVILEGE TO ROLE

Screenshot of a web application titled "Discretionary Access Control Management". The application is used for managing account privileges. It shows a sidebar with various administrative tasks and two main sections: "User Settings" and "Existing Role and Account Privileges".

User Settings:

- Privilege ID: 106
- Role Name: newrole
- Buttons: Execute Query

Existing Role and Account Privileges:

Role Name	Privilege Type	Privilege ID
hr	create	100
hr	drop	101
hr	alter	102
hr	insert	103
hr	delete	104
hr	update	105
hr	select	106
manager	alter	102
manager	insert	103
manager	delete	104
manager	update	105

The second screenshot shows the same interface after a privilege has been granted. A green header bar indicates "Privilege Granted to Role".

Screenshot of a web application window titled "Assign Privileges to Role". The URL is "localhost/dbms/SecurityDB/Forms/Code/html/relate_acc_priv_to_role.php".

The left sidebar contains a list of database management tasks:

- Create New Note
- Create New Table
- Insert New Privilege
- Relate User Account to Role
- Relate Acc Priv to Role
- Add Relation Privilege
- Relate Relation Priv to Role and Table
- Revoke Privilege of User From Table
- Retrieve Role Privileges
- Retrieve User Privileges
- Check Privilege for User
- Access Table as User

The main area has two sections: "User Settings" and "Existing Role and Account Privileges".

"User Settings" section:

- Privilege ID:
- Role Name:
-

"Existing Role and Account Privileges" table:

Role Name	Privilege Type	Privilege ID
hr	create	100
hr	drop	101
hr	alter	102
hr	insert	103
hr	delete	104
hr	update	105
hr	select	106
manager	alter	102
manager	insert	103
manager	delete	104
manager	update	105
newrole	select	106
staff	insert	103
staff	select	106

Screenshot of the same web application window, showing the results of an executed query.

The "User Settings" section now shows:

- Privilege ID:
- Role Name:
-

The "Existing Role and Account Privileges" table remains the same as in the first screenshot.

System status bar at the bottom right: 3:56 PM, ENG, 11/22/2020.

S Assign Privileges to Role +

localhost/dbms/SecurityDB/Forms/Code/html/relate_acc_priv_to_role.php

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DACM

Discretionary Access Control Management

Privilege Already Granted to Role / Wrong Privilege ID

Adding Account Privileges To A Role

User Settings Existing Role and Account Privileges

Role Name	Privilege Type	Privilege ID
hr	create	100
hr	drop	101
hr	alter	102
hr	insert	103
hr	delete	104
hr	update	105
hr	select	106
manager	alter	102
manager	insert	103
manager	delete	104

Privilege ID:
Role Name:

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ADD RELATION PRIVILEGE FOR A TABLE

Screenshot of a web application titled "Discretionary Access Control Management" showing the "Add Relation Privilege for A Table" page.

The User Settings section contains:

- As Owner With ID: 1
- of Table: hrTable
- Allow Privilege with ID: 104

The Existing Privileges on Table section displays the following table:

Privilege ID	Table Name	Owner ID
106	hrTable	1
106	managerTable	2
103	staffTable	3
106	staffTable	3

The Execute Query button is present below the table.

The second screenshot shows the same interface after the privilege has been added. A green success message at the top states "New Privilege Added On Table".

The User Settings section now shows:

- As Owner With ID: 104
- of Table: hrTable
- Allow Privilege with ID: 106

The Existing Privileges on Table section displays the following table:

Privilege ID	Table Name	Owner ID
104	hrTable	1
106	hrTable	1
106	managerTable	2
103	staffTable	3
106	staffTable	3

The Execute Query button is present below the table.

S Allow Privilege on Table +

localhost/dbms/SecurityDB/Forms/Code/html/add-relation-privilege.php

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DACM Discretionary Access Control Management

Add Relation Privilege for A Table

User Settings Existing Privileges on Table

As Owner With ID
1

of Table
hrTable

Allow Privilege with ID
104

Execute Query

Privilege ID	Table Name	Owner ID
104	hrTable	1
106	hrTable	1
106	managerTable	2
103	staffTable	3
106	staffTable	3

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S Allow Privilege on Table +

localhost/dbms/SecurityDB/Forms/Code/html/add-relation-privilege.php

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DACM Discretionary Access Control Management

Add Relation Privilege for A Table

User Settings Existing Privileges on Table

As Owner With ID

of Table

Allow Privilege with ID

Execute Query

Privilege ID	Table Name	Owner ID
104	hrTable	1
106	hrTable	1
106	managerTable	2
103	staffTable	3
106	staffTable	3

Privilege Already Allowed on Table / Wrong Privilege Entered

3:58 PM 11/22/2020

RELATE RELATION PRIVILEGE TO ROLE ON TABLE

The screenshot shows two nearly identical views of a web-based DACM application. The interface includes a sidebar with various management options like 'Create New User', 'Create New Role', etc., and a main panel for managing account privileges.

User Settings:

- As Owner With ID: 1
- of Table: hrTable
- Grant Privilege with ID: 106
- To Role: newrole

Existing Privileges on Table:

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr

Success Message: Privilege to Role Granted on Entered Table

Second View (Below):

The second view shows the same DACM application after the privilege has been granted. The 'Existing Privileges on Table' section now includes the new entry:

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr
1	hrTable	106	newrole

Relate Ternary

localhost/dbms/SecurityDB/Forms/Code/html/relate-ternary.php

DACM

Discretionary Access Control Management

Relate Account Privilege to Role and Table

User Settings

Existing Privileges on Table

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr
1	hrTable	106	newrole

As Owner With ID: 2

of Table: hrTable

Grant Privilege with ID: 106

To Role: newrole

3:59 PM 11/22/2020

Relate Ternary

localhost/dbms/SecurityDB/Forms/Code/html/relate-ternary.php

DACM

Discretionary Access Control Management

Access Denied: Entered Owner ID is not the owner of the table

Relate Account Privilege to Role and Table

User Settings

Existing Privileges on Table

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr
1	hrTable	106	newrole

As Owner With ID:

of Table:

Grant Privilege with ID:

To Role:

3:59 PM 11/22/2020

Relate Ternary

localhost/dbms/SecurityDB/Forms/Code/html/relate-ternary.php

DACM

Discretionary Access Control Management

Relate Account Privilege to Role and Table

User Settings

As Owner With ID: 1

of Table: hrTable

Grant Privilege with ID: 103

To Role: newrole

Existing Privileges on Table

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr
1	hrTable	106	newrole

Execute Query

3:59 PM 11/22/2020

Relate Ternary

localhost/dbms/SecurityDB/Forms/Code/html/relate-ternary.php

DACM

Discretionary Access Control Management

This Privilege Does Not Exist For Entered Table.

Relate Account Privilege to Role and Table

User Settings

As Owner With ID:

of Table:

Grant Privilege with ID:

To Role:

Existing Privileges on Table

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr
1	hrTable	106	newrole

Execute Query

3:59 PM 11/22/2020

REVOKE PRIVILEGES FOR A USER ON TABLE

Screenshot of a web-based Discretionary Access Control Management (DACM) application showing the process of revoking privileges for a user on a table.

The application interface includes a sidebar with various DACM-related functions:

- Create New User
- Create New Role
- Create New Table
- Insert New Privilege
- Relate User Account to Role
- Relate Acc Priv to Role
- Add Relation Privilege
- Relate Relation Priv to Role and Table
- Revoke Privilege of User From Table
- Retrieve Role Privileges
- Retrieve User Privileges
- Check Privilege for User
- Access Table as User

The main page displays the "Revoke Privilege for a User on A Table" form and a table showing existing privileges.

User Settings:

- As Owner With ID: 1
- of Table: hrTable
- Revoke Privilege with ID: 106
- To Role: newrole

Existing Privileges on Table:

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr
1	hrTable	106	newrole

Success Message:

Privilege Successfully Revoked

System status bar at the bottom shows the date (11/22/2020), time (4:00 PM), and language (ENG).

S Revoke Privilege +

localhost/dbms/SecurityDB/Forms/Code/html/revoke.php

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DACM Discretionary Access Control Management

Revoke Privilege for a User on A Table

User Settings Existing Privileges on Table

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr

As Owner With ID: 1
of Table: hrTable
Revoke Privilege with ID: 106
To Role: newrole

4:00 PM 11/22/2020

S Revoke Privilege +

localhost/dbms/SecurityDB/Forms/Code/html/revoke.php

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DACM Discretionary Access Control Management

Revoke Unsuccessful as Privilege / Role may be invalid

Revoke Privilege for a User on A Table

User Settings Existing Privileges on Table

Grantor ID	Table Name	Privilege ID	Role Name
1	hrTable	106	hr

As Owner With ID:
of Table:
Revoke Privilege with ID:
To Role:

4:00 PM 11/22/2020

RETRIEVING ROLE PRIVILEGES

The screenshot shows two instances of a web browser displaying the 'Retrieving Role Privileges' page of a Discretionary Access Control Management (DADM) application. The application is running on a local host at `localhost/dbms/SecurityDB/Forms/Code/php/retrieve_role-priv-mysql.php`.

The interface includes a sidebar with various administrative tasks such as Create New User, Create New Role, Create New Table, Insert New Privilege, etc. The main content area is titled 'Retrieving Role Privileges'.

In the 'User Settings' section, there is a 'Role Name' input field containing 'newrole' and a 'Execute Query' button.

The 'Roles and Privileges' section contains a table:

Role	Privilege
newrole	select

A green message box at the bottom left of the table area states: 'Privileges for newrole found!'

The system status bar at the bottom right shows the time as 4:00 PM and the date as 11/22/2020.

The screenshot shows a web application titled "Discretionary Access Control Management". The left sidebar contains a navigation menu with various options such as "Create New User", "Create New Role", "Create New Table", "Insert New Privilege", "Relate User Account to Role", "Relate Acc Priv to Role", "Add Relation Privilege", "Relate Relation Priv to Role and Table", "Revoke Privilege of User From Table", "Retrieve Role Privileges", "Retrieve User Privileges", "Check Privilege for User", and "Access Table as User". The main content area has a title "Retrieving Role Privileges" and two tabs: "User Settings" and "Roles and Privileges". The "User Settings" tab is active, showing a search input field with "hr" and a blue "Execute Query" button. The "Roles and Privileges" tab displays a table with columns "Role" and "Privilege", containing one row: "newrole" under "Role" and "select" under "Privilege". The browser's address bar shows the URL "localhost/dbms/SecurityDB/Forms/Code/php/retrieve_role-priv-mysql.php". The system tray at the bottom right shows the date and time as "11/22/2020 4:00 PM".

localhost/dbms/SecurityDB/Forms/Code/php/retrieve_role-priv-mysql.php

Create New User
Create New Role
Create New Table
Insert New Privilege
Relate User Account to Role
Relate Acc Priv to Role
Add Relation Privilege
Relate Relation Priv to Role and Table
Revoke Privilege of User From Table
Retrieve Role Privileges
Retrieve User Privileges
Check Privilege for User
Access Table as User

Discretionary Access Control Management

Retrieving Role Privileges

User Settings Roles and Privileges

Role	Privilege
hr	create
hr	drop
hr	alter
hr	insert
hr	delete
hr	update
hr	select

Name:

Privileges for hr found!

RETRIEVING PRIVILEGES FOR A USER

The screenshot shows a web application titled "Discretionary Access Control Management". The main content area is titled "Retrieving Privileges for a User". On the left, there is a sidebar with various menu items under the heading "DADM". The "User Settings" section contains a "User ID" input field with the value "1" and a "Execute Query" button. The "Roles and Privileges" section contains a table with three columns: "User ID", "User Name", and "Privilege". The table shows one row for User ID 1, with User Name "J.Jane" and Privilege "create".

User ID	User Name	Privilege
1	J.Jane	create

This screenshot is identical to the one above, showing the "Retrieving Privileges for a User" page. The "User Settings" section has "User ID" set to "ID" and the "Execute Query" button is visible. The "Roles and Privileges" section shows a table with seven rows for User ID 1, with User Name "J.Jane" and Privileges including "create", "drop", "alter", "insert", "delete", "update", and "select". A green message box at the bottom states "Privileges for user with ID 1 found!".

User ID	User Name	Privilege
1	J.Jane	create
1	J.Jane	drop
1	J.Jane	alter
1	J.Jane	insert
1	J.Jane	delete
1	J.Jane	update
1	J.Jane	select

Screenshot of a web browser showing the "Retrieving Privileges for a User" page of the Discretionary Access Control Management (DADM) application.

The URL is `localhost/dbms/SecurityDB/Forms/Code/php/retrieve-user-priv.php`.

The sidebar on the left contains the following menu items:

- Create New User
- Create New Role
- Create New Table
- Insert New Privilege
- Relate User Account to Role
- Relate Acc Priv to Role
- Add Relation Privilege
- Relate Relation Priv to Role and Table
- Revoke Privilege of User From Table
- Retrieve Role Privileges
- Retrieve User Privileges
- Check Privilege for User
- Access Table as User

The main content area shows the "User Settings" section with a "User ID" input field containing "21" and a "Execute Query" button. To the right is a "Roles and Privileges" table:

User ID	User Name	Privilege
1	J.Jane	create
1	J.Jane	drop
1	J.Jane	alter
1	J.Jane	insert
1	J.Jane	delete
1	J.Jane	update
1	J.Jane	select

The status bar at the bottom shows the date and time as 4:01 PM 11/22/2020.

Screenshot of a web browser showing the same "Retrieving Privileges for a User" page, but with a different result.

The URL is `localhost/dbms/SecurityDB/Forms/Code/php/retrieve-user-priv.php`.

The sidebar on the left is identical to the first screenshot.

The main content area shows the "User Settings" section with a "User ID" input field containing "ID" and a "Execute Query" button. Below the table, a message box displays "Privileges for user with ID 21 not found".

The status bar at the bottom shows the date and time as 4:01 PM 11/22/2020.

CHECKING PRIVILEGES FOR A USER

Discretionary Access Control Management

Checking Privilege for a User

User Settings

User ID: 1
Privilege Type: create

Roles and Privileges

User ID	Privilege Type
1	create

Execute Query

Discretionary Access Control Management

Checking Privilege for a User

User Settings

User ID:
Privilege Type:

Roles and Privileges

User ID	Privilege Type
JJane	create

Execute Query

User with ID 1 has create privilege

Retrieve Role Privileges

localhost/dbms/SecurityDB/Forms/Code/php/check-priv-for-user.php

Create New User
Create New Role
Create New Table
Insert New Privilege
Relate User Account to Role
Relate Acc Priv to Role
Add Relation Privilege
Relate Relation Priv to Role and Table
Revoke Privilege of User From Table
Retrieve Role Privileges
Retrieve User Privileges
Check Privilege for User
Access Table as User

Discretionary Access Control Management

Checking Privilege for a User

User Settings Roles and Privileges

User ID	Privilege Type
JJane	create

User ID: 1
Privilege Type: reference

The screenshot shows a web-based application interface for managing Discretionary Access Control (DACM). The left sidebar contains a vertical list of menu items under the heading 'DACM'. The main content area has a title 'Discretionary Access Control Management' and a sub-section 'Checking Privilege for a User'. It features two tabs: 'User Settings' (selected) and 'Roles and Privileges'. Below these tabs are two input fields: 'User ID' and 'Privilege Type', each with a corresponding empty text box. A blue button labeled 'Execute Query' is positioned between the input fields. A red callout box at the bottom left indicates that 'User with ID1 does not have reference privilege'. The browser's address bar shows the URL as 'localhost/dbms/SecurityDB/Forms/Code/php/check-priv-for-user.php'. The taskbar at the bottom includes icons for various applications like File Explorer, Microsoft Edge, and Visual Studio Code.

ACCESS TABLE AS A USER

The screenshot shows two identical instances of a web browser window titled "Access Table as a User". The URL is `localhost/dbms/SecurityDB/Forms/Code/html/user-proof.php`. The page header is "Discretionary Access Control Management". On the left, there is a sidebar menu with the following items:

- Create New User
- Create New Role
- Create New Table
- Insert New Privilege
- Relate User Account to Role
- Relate Acc Priv to Role
- Add Relation Privilege
- Relate Relation Priv to Role and Table
- Revoke Privilege of User From Table
- Retrieve Role Privileges
- Retrieve User Privileges
- Check Privilege for User
- Access Table as User

The main content area is titled "Access Table as a User" and contains a "User Settings" section. It includes fields for "As User" (set to "JJane"), "Access Privilege" (set to "select"), and "on Table" (set to "hrTable"). Below these fields is a blue "Execute Query" button. In the second instance of the browser, a green message bar at the top states: "Access has already been granted! User can perform the entered operation on this table".



