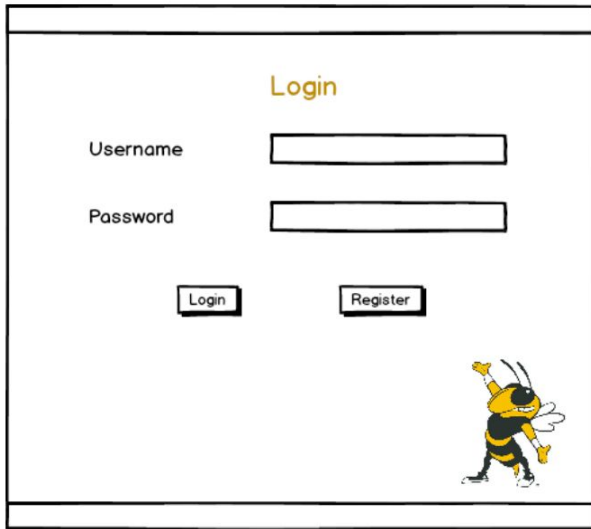


1. Log In



The image shows a web form for logging in. At the top, the word "Login" is written in orange. Below it, there are two input fields: one labeled "Username" and one labeled "Password". Under the "Username" field is a button labeled "Login", and under the "Password" field is a button labeled "Register". In the bottom right corner of the form, there is a cartoon illustration of a bee wearing a yellow and black striped shirt and black pants, standing on its hind legs with its arms raised.

To check if a user exists in the database

```
SELECT Username
FROM User
WHERE Username='InputUser'
```

To retrieve user info if it exists

```
SELECT Username, Password, UserType
FROM User
WHERE Username='InputUser' AND Password= 'InputPassword';
```

SQL Queries:

Login checker (return if username and password are correct, and whether acct is student or admin)

```
SELECT Password, UserType FROM User NATURAL JOIN Student WHERE Username = 'johnsmith'
```

Insert new Student into User table

```
INSERT INTO USER (Username, Password, User_type) VALUES ('johnsmith', 'xyz', 'student') **
```

Insert new Student into Student table

Select list of designations

SELECT * FROM Designation **

Select list of categories

SELECT * FROM Category **

Select list of majors

SELECT Name FROM Major **

Get Current User's Department Name:

SELECT DeptName FROM MAJOR WHERE Name = (SELECT Major FROM USER WHERE Username = 'currentUser')

Update profile based on changes to dropdowns major and year

UPDATE USER SET Major='majorinput', year = 'yinput' WHERE Username = 'userinput' **

Select (date, projectname, status) from student's applications

SELECT 'Date', 'ProjectName', 'Status' FROM Apply WHERE Username='userinput' **

Select (projectname, advisor, description, designation, category, requirements, and est num of students) from the table:

SELECT CategoryName FROM Project_Is_Category WHERE ProjectName = 'projectinput' **

SELECT Requirement FROM Project_Requirement WHERE ProjectName = 'projectinput' *

SELECT (AdvisorName, AdvisorEmail, Description, DesignationName, EstimatedNumStudents) FROM Project WHERE ProjectName = 'projectinput' **

Enter a student application for a project based on match for requirements above

INSERT INTO Apply (ProjectName, StudentName, Date, Status) VALUES

('johnsmith', 'jsmith2@gatech.edu', 'projectx', 'pending') **

Select (course number, instructor, category, designation, est num of students)

SELECT CourseNumber, Instructor, EstimatedNumStudents, DesignationName FROM Course WHERE Name = 'courseinput' **

SELECT CategoryName from Course_is_category WHERE CourseName = 'courseinput' **

Use search criteria to display projects/courses on main page

SELECT * FROM Project NATURAL JOIN Project_Requirement

//????? What is this one for?

Select (project name, applicant name, applicant year, applicant status) for each application

SELECT ProjectName, StudentName Status FROM Apply NATURAL JOIN User WHERE ProjectName= 'projectinput' AND Username= 'userinput' AND Year= 'Senior' AND Status= 'pending' **

Update (applicant status)

```
UPDATE APPLY SET Status= 'Statusinput' WHERE Username= 'Userinput' **
```

Select 10 most popular projects (project name, number of applicants)

```
SELECT ProjectName, EstimatedNumstudents FROM Project ORDER BY  
EstimatedNumstudents DESC LIMIT 10 **
```

Searching/Filtering:

Getting Major, Department Combined

```
SELECT Name, Department FROM Major
```

Getting Projects with Requirements

```
SELECT Name, Requirement FROM Project_requirements WHERE Requirement IS NOT  
NULL
```

Getting Courses and Projects with Category Selected

```
SELECT DISTINCT CourseName FROM Course_is_category WHERE CategoryName = '%s'  
SELECT DISTINCT ProjectName FROM Project_is_category WHERE CategoryName = '%s'
```

ADMIN VIEW

```
"SELECT ProjectName, Major, Year, Status FROM APPLY AS A, USER  
AS U WHERE A.StudentName = U.Username"
```

Select all info for application report window

This report shows projects sorted by acceptance rate. It should also show number of applications and the top 3 majors of applicants. On the very top of the report, it should have the total number of applications and how many of them have been accepted.

```
SELECT ProjectName, COUNT(DISTINCT StudentName) FROM Apply WHERE ProjectName=  
'projectx', COUNT(DISTINCT StudentName) FROM Apply WHERE ProjectName= 'projectinput'  
AND Status= 'statusinput' / COUNT(DISTINCT StudentName) FROM Apply WHERE  
ProjectName= 'projectinput'
```

Insert new project

```
INSERT INTO PROJECT (ProjectName, EstimatedNumStudents, Description,  
AdvisorName,AdvisorEmail) VALUES  
( 'projectinput', 'numberinput', 'descriptioninput', 'advisorinput', 'emailinput' ) **
```

```
INSERT INTO PROJECT_IS_CATEGORY (ProjectName, CategoryName) VALUES
('projectinput', 'categoryname') **
INSERT INTO PROJECT_REQUIREMENT (ProjectName, Requirement) VALUES
('projectinput', 'reqInput') **
```

Insert new course

```
INSERT INTO Course (CourseName, CourseNum, EstimatedNumStudents, Instructor,
DesignationName) VALUES ('courseinput', 'numberinput', 'numstudentsinput', 'instrinput',
designnameinput') **
INSERT INTO Course_is_category (CourseName, CategoryName) VALUES ('courseinput',
categoryinput) **
```

Get Popular Projects

```
SELECT * FROM PROJECT
```

-- Get Each pName from previous query

```
SELECT COUNT(DISTINCT StudentName) AS NumApps FROM APPLY WHERE
ProjectName = 'pName'
pName is project Name
```

2. New User Registration

New Student Registration

Username

GT Email Address

Password

Confirm Password


To check if a user exists in the database

```
SELECT Username  
FROM User  
WHERE Username='InputUser'
```

To add new user to database

```
INSERT INTO USER  
VALUES ('InputUser','InputEmail','InputPassword');
```

1. Main Page



Me

Main Page

Title Category Please Select ▾ [Add a category](#)

Designation Please Select ▾

Major Please Select ▾

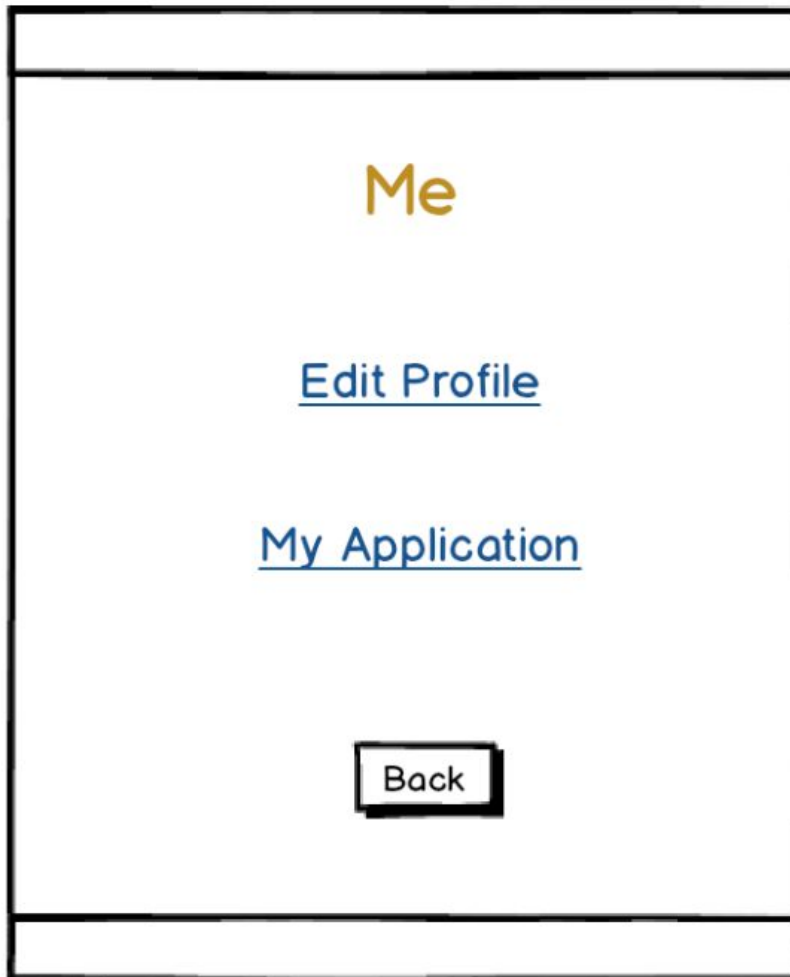
Year Please Select ▾ ☐ Project ☐ Course ☒ Both

Apply Filter Reset Filter

Name	Type
Environmental Policy and Politics	Course
Excel Current Events	Project
ESW Hydroponics/Urban Farming Project	Project
Introduction to User Interface Design	Course
Research Methods for Human Computer Interaction	Course

SELECT * FROM CATEGORY
SELECT * FROM DESIGNATION
SELECT * FROM MAJOR

2. Me



4. My Application

My Application

Date ▲	Project Name ◆	Status
16/8/30	Excel Current Events	Approved
16/9/2	Know Your Water	Pending
16/9/4	Excel Peer Support Network	Rejected

Back

5. View and Apply Project

Know Your Water

Advisor: Neha Kumar (neha.kumar@cc.gatech.edu)

Description:

This project will allow students to be part of a large, crowd-sourced study – at little cost to themselves – to contribute to a knowledge bank of how different communities treat and track their water quality. If you are interested in participating in this study, please let us know.

Designation: Sustainable Community

Category: Sustainable, crowd-sourced

Requirements: CS students only; Senior only

Estimated number of students: 40

[Back](#)

[Apply](#)

