**Stored procedure(newUser) to insert data from register page to user table, student table and login table:**

CREATE DEFINER=`root`@`localhost` PROCEDURE `newUser`(IN `address` VARCHAR(50), IN `city` VARCHAR(20), IN `email` VARCHAR(20), IN `fname` VARCHAR(20), IN `lname` VARCHAR(20), IN `phone` INT(10), IN `state` VARCHAR(10), IN `zip` INT(10), IN `dob` DATE, IN `gender` CHAR(1), IN `password` VARCHAR(20), OUT `output` BOOLEAN)

NO SQL

BEGIN

DECLARE maxpid INT;

DECLARE `\_rollback` BOOL DEFAULT 0;

DECLARE CONTINUE HANDLER FOR SQLEXCEPTION SET `\_rollback` = 1;

START TRANSACTION;

INSERT INTO user (address, city,email\_id,fname,lname,phone,state,zipcode,dob,gender,user\_type) values (address ,city, email, fname, lname, phone, state, zip,dob,gender,'S');

Select max(user\_id) INTO maxpid

From user;

INSERT INTO student(user\_id,major, student\_level) VALUES(maxpid, 'CS','senior');

INSERT INTO login(login\_id,pw,email) VALUES(maxpid, password,email);

IF `\_rollback` THEN

ROLLBACK;

SET output=0;

ELSE

COMMIT;

SET output=1;

END IF;

END

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1. date should be taken in YYYY-MM-DD format
2. first name and last name have separate fields in the database so it would be good if you separate the fields at the front end.
3. Address has only 1 field, so at the front end, address line 1 and 2 need to be appended before sending to the database.
4. Currently, we are only making it work for student, that’s why user type is hard coded in user table.
5. If you want to check it on your machine, you’ll need to update your schema. I have edited the creationscript0401 file on the drive. Drop your current schema and use the new scripts. This was done because we had to auto increment user\_id and since it is foreign key in other tables, an alter command didn’t work.
6. Take password from the user on registration form. It’ll be stored in the login table and the login\_id would be the user\_id.

The variable ‘OUTPUT’ will return 0 if the email is already present in the database. Otherwise it’ll return 1 and the record will be inserted in the database.