=========================ENVIRONMENT VARIABLES=========================

SQLUSER = ""

SQLPASSWORD =""

DEBUG = "1"

DEBUG\_DATABASE = "1"

============================SESSION VARIABLES===========================

loggedIn: Boolean variable indicating whether the user is logged in

emailAddress: Stores the email address of the user who is logged in

userID: Stores the user\_id of the logged in user

salt: holds the salt for the users login while they are logging in  
accountType: holds an integer for what account type they are

==============================LOOKUP TABLES============================

application\_status:

Active: 1

Accepted: 2

Rejected: 3

Wait Listed: 4

contact\_type:

Phone: 1

Email: 2

===========================STORED PROCEDURES==========================

get\_salt

* In: email VARCHAR
* Out: salt CHAR
* Returns the salt to log a user in, and returns nothing if their account does not exist

login\_user

* In: email VARCHAR, hashed\_password CHAR
* Out: account\_type tinyint
* Returns the account type of the user we are logging in, or a 0 if their login is invalid

get\_userid\_from\_email

* In: email VARCHAR
* Out: userID TINYINT
* Returns the userID associated with an email

create\_user

* In: accountType TINYINT, firstName VARCHAR, lastName VARCHAR, email VARCHAR, hash\_password VARCHAR, salt VARCHAR
* Out: result INT
* Creates a new user of a specified type and returns 0, if an account with the given email already exists returns 1 indicating no new user was created. Also creates a person to correspond to the user.

create\_person

* In: firstName VARCHAR, lastName VARCHAR
* Out: id INT
* Creates a new person record and returns its ID

create\_account\_type

* In: accountType VARCHAR
* Out: N/A
* Creates a new account\_type record

select\_applications

* In: applicationStatus VARCHAR
* Out: N/A
* Selects all applications matching the applicationStatus passed in. If NULL is passed in, selects all applications

select\_application\_details

* In: applicationID MEDIUMINT
* Out: N/A
* Selects the details of an application based on its ID

select\_contact\_info

* In: personID MEDIUMINT
* Out: N/A
* Returns the stored contact information type and value associated with a person

get\_personid\_from\_applicationid

* In: applicationID MEDIUMINT
* Out: personID MEDIUMINT
* Returns the personID associated with an applicationID

select\_guardians

* In: applicationID MEDIUMINT
* Out: N/A
* Returns all guardians’ names and incomes associated with the application

create\_application\_status

* In: applicationStatus VARCHAR
* Out: N/A
* Adds a new status to the application status look-up table

create\_student\_status

* In: student\_status VARCHAR(64)
* Out: N/A

create\_contact\_type

* In: contact\_type VARCHAR(64)
* Out: N/A

create\_day\_of\_week

* In: day\_of\_week VARCHAR(64)
* Out: N/A

create\_meal\_time

* In: meal\_time VARCHAR(255)
* Out: N/A

create\_assignment\_status

* In: assignment\_status VARCHAR(64)
* Out: N/A

create\_semester

* IN semester\_description VARCHAR(255),
* IN start\_date DATE,
* IN end\_date DATE
* Out: N/A

`check\_application\_id`(

* IN application\_id MEDIUMINT UNSIGNED,
* OUT result BOOLEAN
* Returns 1 if the application 1 id exists, else 0

`check\_application\_status`

* IN application\_status varchar(64),
* OUT application\_status\_id TINYINT UNSIGNED
* Returns the id of the application\_status or 0

`update\_application\_status`

* IN application\_id MEDIUMINT UNSIGNED,
* IN appliation\_status\_id TINYINT UNSIGNED
* Updates one applications status

create\_subject

* IN subject\_name\_ID SMALLINT UNSIGNED
* IN level\_id TINYINT UNSIGNED
* Out: N/A

create\_level

* In: level\_name VARCHAR(255)
* Out: N/A

create\_subject\_name

* In: level\_name VARCHAR(255)
* Out: N/A

create\_application

* IN person\_id MEDIUMINT
* IN public\_school\_level\_id TINYINT
* IN date\_of\_birth DATE
* IN latitude DECIMAL(11,8)
* IN longitude DECIMAL(11,8)
* IN transportation\_assistance BOOLEAN
* IN meal\_assistance BOOLEAN
* IN essay VARCHAR(15000)
* OUT applicationID MEDIUMINT

create\_contact

* IN person\_id MEDIUMINT
* IN contact\_type TINYINT
* IN value VARCHAR(255)

create\_guardian

* IN person\_id MEDIUMINT
* IN application\_id MEDIUMINT
* IN annual\_income DECIMAL(8,2)

select\_instructor\_classes

* In: instructor\_id MEDIUMINT
* Out: N/A
* Returns the classes associated with the user\_id of an instructor user

select\_class

* In: class\_id
* Out: N/A
* Returns the information about a specific class, calls select\_class\_times

select\_class\_times

* In: class\_id
* Out: N/A
* Returns all the class\_times associated with a class

select\_person\_phone

* In: person\_id MEDIUMINT
* Out: N/A
* Returns all the phone-type contact info from a person\_id

select\_person\_email

* In: person\_id MEDIUMINT
* Out: N/A
* Returns all the email-type contact info from a person\_id

select\_students\_and\_class\_status

* IN class\_id
* OUT student\_id
* OUT student\_name
* OUT in\_class
* Returns a list of all active students and whether they are in the class or not

select\_class\_students

* In: class\_id INT
* Out: N/A
* Returns all students in a class, per meeting they have for that class. So if a student has 2 meetings for a class, they will be returned twice: once for each meeting

select\_class\_distinct\_students

* In: class\_id INT
* Out: N/A
* Returns all students in a class only once, regardless of how many meetings of that class they have in their schedule

select \_student\_assignments

* In: student\_id INT, class\_id INT
* Out: N/A
* Returns list of a student’s assignments for a specific class

select\_class\_assignments

* In: class\_id INT
* Out: N/A
* Returns a list of all assignments for a class

select\_student\_info

* IN: student\_id MEDIUMINT
* OUT: student\_first\_name VARCHAR(64)
* OUT: student\_last\_name VARCHAR(64)
* OUT: student\_status VARCHAR(64)
* OUT: student\_birthdate DATE
* OUT: student\_application\_meal\_assistance BOOLEAN
* OUT: student\_application\_transport\_assistance BOOLEAN

select\_student\_guardians

* IN: student\_id INT
* OUT: N/A
* Returns a list of guardians of the student, their names and incomes

select\_student\_classes

* IN: student\_id INT
* OUT: N/A
* Returns a list of names of classes the student has taken, when they were taken, and their status

select\_notes

* IN: student\_id INT
* OUT: N/A
* Returns a list of social work notes made for the student, and when they were made

select\_student\_contact

* IN: student\_id INT
* Returns a list of contact info for the student