

----- Function Call Format: FunctionName(Var1, Var2,...,VarN) ----- Function Return Format: ReturnDict(Var1 = a, Var2 = b... VarN = z) -----					*SQL Queries written by M. Sidi
Function Name	Variables Passed	Constraints	Privileges Required	Data Returned	SQL Queries Used
AuthenticateUser	UserName	15 alphanumeric characters	None	LoginHash (null value returned if not successful)	SELECT login_hash FROM users WHERE username = Username AND password_hash = Password
	Password	30 characters	None		
RetrievePatientInfo	PatientLastName	30 alphabetical characters	EMT, Doctor, Admin	PatientLastName, PatientFirstName, PatientBloodType, PatientAllergies, PatientICELastName, PatientICEFirstName, PatientPCPLastName, PatientPCPFirstName, PatientPCPPhone PatientNotes (null values returned for the entire dictionary if not found)	SELECT * FROM medical_profiles WHERE lastname = PatientLastName AND firstname = PatientFirstName
	PatientFirstName	30 alphabetical characters			
	LoginHash (Session ID)	64 Hexadecimal Characters			
AddNewPatient	PatientLastName	30 alphabetical characters	Doctor, Admin	StatusMessage (75 character string max: successfully or unsuccessfully)	INSERT INTO medical_profiles (lastname, firstname) VALUES (PatientLastName, PatientFirstName)
	PatientFirstName	30 alphabetical characters			
	LoginHash (Session ID)	64 Hexadecimal Characters			
RemovePatient	PatientLastName	30 alphabetical characters	Admin	StatusMessage (75 character string max: successful or unsuccessful)	DELETE FROM medical_profiles WHERE lastname = PatientLastName AND firstname = PatientFirstName
	PatientFirstName	30 alphabetical characters			
	LoginHash (Session ID)	64 Hexadecimal Characters			
AppendPatientInfo Notes: -The patient name may not be changed, as turning all fields to blank or junk would be effectively be the same as deleting a patient. The assumption must be if there is a spelling error in the patient's name or a legitimate reason for a name change, the Admin will have to modify this. -Appending patient information will only work up to the maximum field width. Nothing can be deleted by a Doctor, only an Admin. -In the case of blood type, submitting data for this field outside of the null string will not be accepted unless the field is already empty (e.g. after AddNewPatient). A patient's blood type does not change. If there is an error, the Admin will have to modify this.	PatientLastName	30 alphabetical characters	Doctor, Admin	StatusMessage (75 character string max: successful or unsuccessful)	UPDATE medical_profiles SET bloodtype=PatientBloodType, allergies=PatientAllergies, ICE_firstname=PatientICEFirstName, ICE_lastname=PatientICELastName, ICE_phone=PatientICEPhone, PCP_firstname=PatientPCPFirstName, PCP_lastname=PatientPCPLastName, PCP_phone=PatientPCPPhone, notes=PatientNotes WHERE lastname=PatientLastName AND firstname=PatientFirstName
	PatientFirstName	30 alphabetical characters			
	PatientBloodType	O+, 'O-', 'A+', 'A-', 'B+', 'B-', 'AB+', or 'AB-' only			
	PatientAllergies	500 alphanumeric characters, '+' and '-' acceptable			
	PatientICELastName	30 alphabetical characters			
	PatientICEFirstName	30 alphabetical characters			
	PatientICEPhone	16 numerical characters			
	PatientPCPLastName	30 alphabetical characters			
	PatientPCPFirstName	30 alphabetical characters			
	PatientPCPPhone	16 numerical characters			
	PatientNotes	5000 alphanumeric characters, '+' and '-' acceptable			
ModifyPatientName	PatientLastNameCurrent	30 alphabetical characters	Admin	StatusMessage (75 character string max: successful or unsuccessful)	UPDATE medical_profiles SET lastname=PatientLastNameNew, firstname=PatientFirstNameNew WHERE lastname=PatientLastNameCurrent AND firstname=PatientFirstNameCurrent
	PatientFirstNameCurrent	30 alphabetical characters			
	PatientLastNameNew	30 alphabetical characters			
	PatientFirstNameNew	30 alphabetical characters			
	LoginHash (Session ID)	64 Hexadecimal Characters			
ModifyPatientInfo Notes: -This call is for fields other than the patient name that require modification. The name cannot be changed through this call. -This will replace the entire contents of each of the fields, so it is recommended that a RetrievePatientInfo is called and auto-populates the browser fields before using this function. -The exception to the above: if a null string is passed for the corresponding field, no changes will be made to that field.	PatientLastName	30 alphabetical characters	Admin	StatusMessage (75 character string max: successful or unsuccessful)	UPDATE medical_profiles SET bloodtype=PatientBloodType, allergies=PatientAllergies, ICE_firstname=PatientICEFirstName, ICE_lastname=PatientICELastName, ICE_phone=PatientICEPhone, PCP_firstname=PatientPCPFirstName, PCP_lastname=PatientPCPLastName, PCP_phone=PatientPCPPhone, notes=PatientNotes WHERE lastname=PatientLastName AND firstname=PatientFirstName
	PatientFirstName	30 alphabetical characters			
	PatientBloodType	O+, 'O-', 'A+', 'A-', 'B+', 'B-', 'AB+', or 'AB-' only			
	PatientAllergies	500 alphanumeric characters, '+' and '-' acceptable			
	PatientICELastName	30 alphabetical characters			
	PatientICEFirstName	30 alphabetical characters			
	PatientICEPhone	16 numerical characters			
	PatientPCPLastName	30 alphabetical characters			
	PatientPCPFirstName	30 alphabetical characters			
	PatientPCPPhone	16 numerical characters			
LogoutSession	PatientNotes	5000 alphanumeric characters, '+' and '-' acceptable	EMT, Doctor, Admin	StatusMessage (75 character string max: successful or unsuccessful)	UPDATE users SET login_hash= ' ' WHERE login_hash=LoginHash
	LoginHash (Session ID)	64 Hexadecimal Characters			