

## DEFECT LOGS

Product	MedicalDatabase Design Inspection		
Date	09/09/13		
Defect #	Description	Severity	How Corrected
1	There is no way to connect a patient to a doctor.	1	Database needs another table "Appointment" in order to link patients to doctor
2	Create Account module should go to the Patient module or Doctor module, not login	2	Account page leads to Patient or Doctor page
3	GUI design for login lets user select whether they are patient or doctor.	3	Taking the select option out of login screen. Backend will just handle it.
4	Patient ID and Doctor ID should be differentiated.	1	Patient and Doctor will have unique id that will differentiate themselves when they login with 'p' or 'd' prepended
5	There is only one doctor page even though he needs to see and edit different pages.	1	Add tabs similar to a patients
6	Appointment table does not have an id. It was just going to be (date, patient id, doctor id) but it would conflict if there were multiple visits	2	Make appointment id primary key

	in same day.		
7	Doctor has no way to see appointment requests.	1	Upon patient making appointment request, doctor will see it in an appointment tab.
8	Importdb module should be a one-to-many relationship instead of a many-to-many.	3	Functions from Importdb must be made static

Product	Code Inspection		
Date	09/10/13		
Defect #	Description	Severity	How Corrected
1	Error is not being thrown if user id is null in create account module	1	If id returned is null, display error
2	Login form is set to visible even on successful signin.	2	Need to set visibility of login form to false upon successful login
3	Duplicate username is not being checked in the database.	1	Make username the primary key in the accounts table
4	ID in account table needs to be unique	2	Make ID unique in database
5	Patient and doctor's table should link to account table	2	Link tables by username as foreign key
6	Possible NULL exception error from ResultSet in the patient gui that can crash entire program	1	Check and handle if ResultSet is null

7	Possible NULL exception in textfield in the patient gui	2	Check to make sure the text field is not null
8	No check for unauthorized special characters in password and username fields	2	Check for correct alphanumeric status
9	No check for properly formatted date of birth	3	Use a formatted text box instead of a text field
10.	The password box in create account has a default value	3	Clear out the pre-existing password
11.	Possible Null exception error in FormDoctor that can crash entire system.	1	Need to check for NULL ResultSet
12.	User name and password were being stored in patient and doctor table.	2	Move all account information to Account table

Product	Unit Testing		
Date	09/10/13		
Defect #	Description	Severity	How Corrected
1	If empty or wrong username or password in login, program will crash.	1	Add check to handle this error to prompt user of invalid input.
2	Closing a popup will exit entire program.	1	Changed the properties to just dispose the individual frame not terminate program
3	accepts null as an account password when create account.	2	Change variable to not null in the database
4.	Create Account was allowing same usernames.	1	Check if username exists first before creating.
5.	Doctor phone number was not being	3	Add phone number to

	saved.		database table and function.
6.	In create account, radio buttons not working in tandem	2	Add a new button group
7.	When creating account, if you left everything blank it added empty tuples to the database	2	Edit the database write function to do null checking
8	Account information form is too large for small screen resolution	3	Size down the frame for account information
9.	Create Account is not checking for matching password between password and reentered password.	2	Check for inconsistency before sending
10.	When an account is created, there is an error when it redirects you to the patient/doctor module. ID is not getting passed.	1	Have create account go to the login page instead so ID gets passed
11.	Create account was failing because database was not creating new patient id correctly	1	'p' was being appended twice. Removed the extra line of code.