Patient Medical History Test Plan
Team 8
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Types:

E = Equivalence, B = Boundary, F = Functional

Test ID	Title	Severity	Type	Instructions	Expected Result
1	Open program	1	F	Run the Medicord.jar file by double clicking or opening in terminal.	The program should launch successfully, displaying a GUI.
2	Open program with one extra argument	3	B	Run java -jar medicord.jar x	The program should launch successfully, displaying a GUI.
3	Open program with more than one extra argument	3	E	Run java -jar medicord.jar x x2	The program should launch successfully, displaying a GUI.
4	Close program	1	F	Run the program and select the 'Close' red X in the menu bar.	The application should fully exit.
5	Kill program forcefully	2	E	Kill the program from terminal with kill -9, control-c, or equivilant kill command (at different times as well)	The application should exit gracefully without losing vital data.
6	Login Successful	1	F	Run the program, inputting a correct username and password. Hit the login button.	The program should let you proceed to your data without error, getting rid of Login screen.
7	Attempt login, while already logged in	3	B	Attempt to login to a different account, while already logged in	The program should not allow you to over-login ontop of a prexisting session

8	Login Unsuccessful User name	1	E	Run the program, inputting an incorrect username. Hit the login button.	The program should not let you proceed from the login screen.
9	Attempt Login with empty user name	1	B	Run the program with a valid password, but no user name	The program should not let you proceed from the login screen.
10	Login Unsuccessful password	1	E	Run the program, inputting a correct username and an incorrect password. Hit the login button.	The program should alert the user with an error and not allow the user to proceed.
11	Attempt Login with empty password	1	B	Run the program with a valid user name, but no password	The program should not let you proceed from the login screen.
12	Create Patient Account Successful	1	F	Run the program, click Create Account, fill out username and password, click on Patient, then Create, then log in.	The user's profile page should show.
13	Create Doctor Account Successful	1	F	Run the program, click Create Account, fill out username and password, click on Doctor, then Create, then log in.	The user's profile page should show.
14	Create Patient Duplicate Account	2	B	Attempt to create a new patient account with a patient username which already exists.	The user should be notified that this is not allowed and account creation rejected.
15	Create Doctor Duplicate Account	2	B	Attempt to create a new doctor account with a doctor username which already exists.	The user should be notified that this is not allowed and account creation rejected.
16	Create patient/doctor Duplicate	2	B	Attempt to create a new patient account with a doctor	The user should be notified that this is not allowed and account

	Account			username which already exists.	creation rejected.
17	Create Account with Blank Username	2	E	Attempt to create an account with a blank username.	The program should reject the account and notify the user.
18	Create Username with 7 characters	3	B	Attempt to create an account with 7 characters.	The program should reject the username and notify the user that a username must be between 8-15 characters.
19	Create Username with Less than 7 Characters	3	E	Attempt to create an account with 2 characters.	The program should reject the username and notify the user that a username must be between 8-15 characters.
20	Create Username with 16 characters	3	B	Attempt to create an account with 16 characters.	The program should reject the username and notify the user that a username must be between 8-15 characters.
21	Create Username with more than 16 characters	3	B	Attempt to create an account with 20 characters.	The program should reject the username and notify the user that a username must be between 8-15 characters.
22	Create Account with Blank Password	2	E	Attempt to create an account with a blank password.	The program should reject the account and notify the user.
23	Create Account with Confirm Password Blank	2	B	Attempt to create an account with a blank Confirm Password field.	The program should reject the account and notify the user.
24	Create Account with Unverified Password	2	F	Attempt to create an account with mismatching Password and Confirm Password fields.	The program should reject the account and notify the user.
25	Create Account	1	B	Attempt to create an	The program should

	Without Account Type			account without specifying the account type.	reject the account and notify the user.
26	Close Create Account	2	F	Close the create account dialog.	The create account dialog should be closed and return to the login window, no account should be made.
27	Logout Successful	1	F	Click the logout button.	The main Medicord window should close and return to the login window.
28	Date of Birth Not Numbers	2	E	Enter letters in the date of birth.	The date of birth should be rejected and not allow the user to continue.
29	Date of Birth Not in "MM/DD/YY" Format	2	E	Enter a date of birth in the form "MM/DD/YYYY".	The date of birth should be rejected and not allow the user to continue.
30	Date of Birth Month Too Big	2	E	Enter a date of birth with month 15.	The date of birth should be rejected and not allow the user to continue.
31	Date of Birth Month 0	2	B	Enter a date of birth with month 0.	The date of birth should be rejected and not allow the user to continue.
32	Date of Birth Month negative	2	E	Enter a date of birth	The date of birth should be rejected and not allow the user to continue.
33	Date of Birth Day Too Big	2	E	Enter a date of birth with day 60.	The date of birth should be rejected and not allow the user to continue.
34	Date of Birth Day 0	2	B	Enter a date of birth with day 0.	The date of birth should be rejected and not allow the user to continue.
35	Date of Birth day negative	2	E	Enter a date of Birth with a negative number	The date of birth should be rejected and not allow the user to continue.
36	Date of Birth	2	E	Enter a date of birth	The date of birth should

	Year Too Big			with year past the current year.	be rejected and not allow the user to continue.
37	Date of Birth Year Too Early	2	B	Enter a date of birth with year earlier than the date of birth of the oldest person alive.	The date of birth should be rejected and not allow the user to continue.
38	Date of Birth Year Too Early	2	E	Enter a date of birth with year a negative number	The date of birth should be rejected and not allow the user to continue.
39	Date of Birth is Empty	2	E	Enter an empty date of birth	The date of birth should be rejected and not allow the user to continue.
40	Emergency Contact Number Not Numbers	2	E	Enter non-numeric characters in the emergency contact field.	The number should be rejected and not allow the user to continue.
41	Emergency Contact Number Not Enough Digits	2	E	Enter too few digits (e.g. 3) in the emergency contact number.	The number should be rejected and not allow the user to continue.
42	Emergency Contact Number is Empty	2	E	Enter an empty emergency contact number	The number should be rejected and not allow the user to continue.
43	Save Changes	1	F	Click save changes.	The changes to the form should be saved, form closed, and changes reflected in future visits to the form.
44	Multiple Windows Closing	2	F	Open multiple windows, then close one of them.	The other windows should remain open while the closed one should close.
45	Doctor Phone Number Not Numbers	2	E	Enter non-numeric characters in the doctor phone number field.	The number should be rejected and not allow the user to continue.
46	Doctor Phone Number is	2	E	Enter an empty doctor phone number	The number should be rejected and not allow the

	Empty				user to continue.
47	Doctor Phone Number Not Enough Digits	2	E	Enter too few digits in the doctor phone number field.	The number should be rejected and not allow the user to continue.
48	Doctor Save Correctly	1	F	Click the save button to save the doctor's information.	The form should close and changes should be reflected in future visits to the form.
49	Doctor View Patient's Information	2	F	As a doctor, click on the Patients List tab, click a patient, then click View Patient.	The patient's information should be displayed in a new window.
50	Doctor View Patients Drug Allergy Tab	2	F	As a doctor, click on the Patients List tab, click a patient, then click View Patient, and navigate to Drug Allergy Tab	All of the patients drug allergies should be visible.
51	All patients who have authorized the doctor, show up on the Doctor View Patient Information	1	F	As a doctor, click on the Patients List tab.	the Patients List tab should show all patients that have authorized this doctor to view them.
52	Doctor View Patient Appointments	1	F	As a doctor, click on the Patients List tab.	A list of all patient appointments should be displayed, along with View and Remove buttons.
53	Doctor Remove Patient Appointment	2	F	As a doctor, select a patient appointment and click Remove.	The selected appointment should be removed and no longer appear in the list of appointments.
54	After a Doctor removes a patient's appointment the Patient should be notified	2	F	As a doctor, select a patient appointment and click Remove. Login to that Patient's account and check if they received some notification	When a Doctor removes an Appointment, the user should be notified

55	Doctor Edit Any Patient Information	2	F	As a doctor, click a patient in the Patient List tab and View Info. Enter "aaa" as the name and click ok.	The patient's name should thus be changed to "aaa" in the database, after Patient approval(i.e. in both patient and doctor's information).
56	Doctor Edit Patient information with invalid formatting	3	B	Try to alter patient information into invalid formatting	The invalid formatting should be rejected, and the patients information should remain unchanged
57	Patient Make Appointment Date Too Small	2	E	While logged in as patient, select 'Make New Appointment' and enter '0/00/00' into the Date field. Select Schedule.	Program should inform user of an error and not advance with the appointment creation.
58	Patient Make Appointment date blank	2	E	While logged in as patient, select 'Make New Appointment' and enter ' ' into the Date field. Select Schedule.	Program should inform user of an error and not advance with the appointment creation.
59	Patient Make Appointment Date in Past	2	B	While logged in as patient, select 'Make New Appointment' and enter '1/1/2010' into the Date field. Select Schedule.	Program should inform user of an error and not advance with the appointment creation because this date is in the past.
60	Patient Make Appointment Date Not in "MM/DD/YY" format	2	E	While logged in as patient, select 'Make New Appointment' and enter '1234' into the Date field. Select Schedule.	Program should inform user of an error and not advance with the appointment creation.
61	Patient Make Appointment Date Not Numbers	2	E	While logged in as patient, select 'Make New Appointment' and enter letters into the Date field. Select Schedule.	Program should inform user of an error and not advance with the appointment creation.
62	Patient Make	3	F	While logged in as	User should see a list of

	Appointment Select Doctor			patient, select 'Make New Appointment' and Select the drop down doctor list. Select one.	all doctors created, and be able to select any of them.
63	Patient View Info of Doctor	3	F	While logged in as patient, select 'Make New Appointment' and choose a doctor. Select 'View Info'.	Window should pop up, displaying valid information for the chosen doctor.
64	Patient sort Doctors by name or specialization	3	F	Navigate to doctor view as a patient, and sort the doctors available	While viewing doctors, they should be sortable by name or specialization
65	Patient Make Appointment Successful	1	F	While logged in as patient, select 'Make New Appointment' and enter valid information to all fields.	Appointment should be created and seen in the appointments list.
66	Patient View Appointment Information	1	F	While logged in as patient, select an appointment and select 'View Appointment'.	Window should open with additional information about the appointment.
67	Patient Can Cancel Appointment	1	F	While logged in as patient, select an already created appointment and click 'Remove Appointment'.	Appointment should be removed from patient's list as well as corresponding doctor's list. The changes should be reflected in all future lists.
68	Patient Lookup on another patient	1	F	While logged into a patient account, lookup another patient	A patient should not be able to lookup any patients and/or view their personal information
69	Doctor lookup unauthorized patient	1	F	While logged into a doctor account, try to look at a patient that has not authorized that account	The application should display an error message informing the user he does not have permission to view that patient
70	Test all text	3	B	Try various special	Seeing as the character

				characters like #,$,% as well as unicode/ascii values that are not alphanumeric values	types were not defined, it should accept any character value inputed into any text field.
71	Test input fields with overflow information	3	B	Attempt to enter numbers/strings larger than MAXINT or 100 characters	The information should be rejected and not cause any overflow errors
72	Remove permissions of doctor from patient account	1	F	On Patient account, give permission to a Doctor then remove those permissions	Once removing permissions from a Doctor, the Doctor should not be able to see the patients personal information
73	Test for SQL injection vulnerabilities	3	B	Attempt some form of SQL injection via input forms	The SQL commands should not be executed from input forms.
74	Test Doctor functionality with zero patients	2	B	Login to a Doctor account with no patients, check all functionality available.	The application should work appropriately.
75	Test Doctor functionality with one patient	2	B	Login to a Doctor account with one patient, check all functionality available.	The application should work appropriately.
76	Test Doctor functionality with many patients	2	E	Login to a Doctor account with many patients, check all functionality available.	The application should work appropriately.
77	Test Patient functionality with zero doctors	2	B	Login to a Patient account with no doctors, check all functionality available.	The application should work appropriately.
78	Test Patient functionality with one doctor	2	B	Login to a Patient account with one doctor, check all functionality available.	The application should work appropriately.
79	Test Patient	2	E	Login to a Patient	The application should

	functionality with many doctors			account with many doctors, check all functionality available.	work appropriately.
80	Login with same valid doctor account from multiple sessions	2	F	Open up two windows of the application. Login with the same doctor username	Notify to the user that they are already logged in.
81	Login with same valid patient account from multiple sessions	2	F	Open up two windows of the application. Login with the same patient username	Notify to the user that they are already logged in.
82	With two active sessions, with two different users, ensure changes in one are visible in the other	3	B	Open two windows of the application. Log onto two different accounts. Alter information in one and see if the changes are reflected in the other	The information should propagate all active sessions that are connected to the same database.