Criterion B: Design

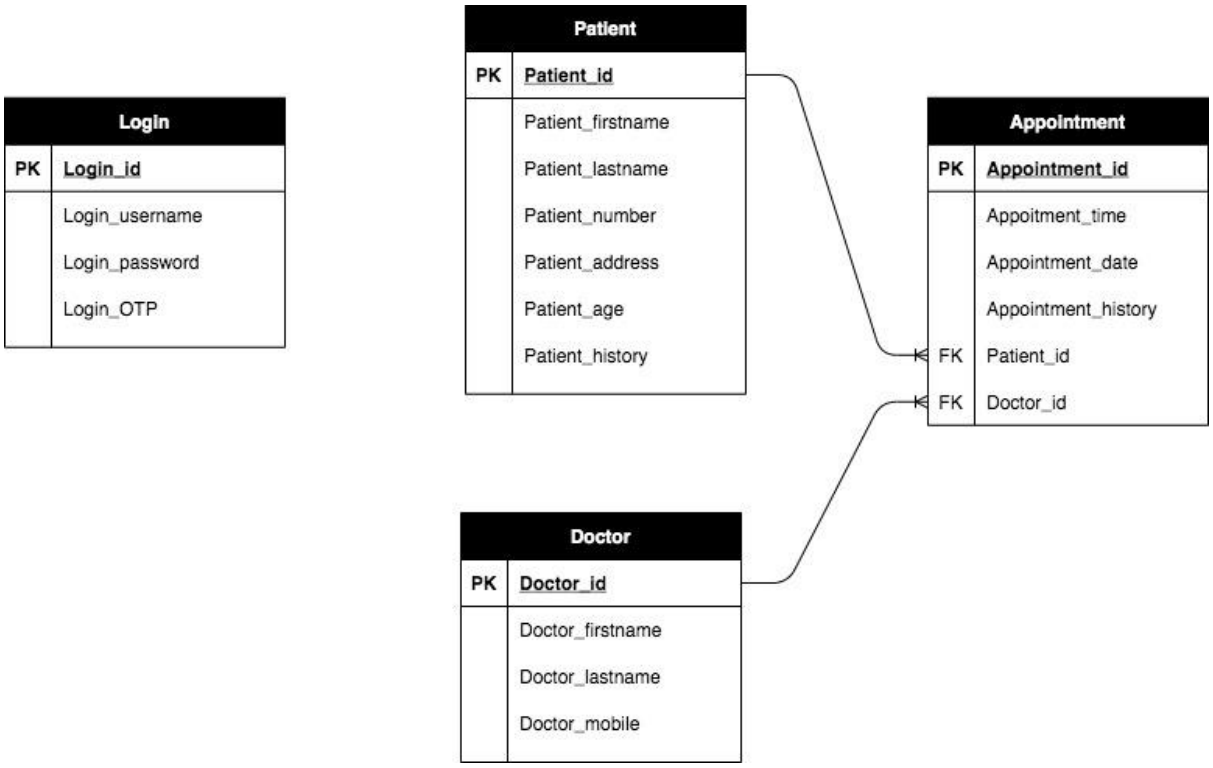
Sr No.	Test Case	Test Methodology	Expected Output	Success Criteria
1	Login screen allows login from registered customers after valid credentials are entered.	Enter an invalid username password and click on login button.	“Invalid username/ password”	2
2	Login screen needs all details to be filled in order to login	Keep both username and password fields blank Keep password field empty	“All fields are required”	2
3	User Type New patient has to sign up so that he/she can access the appointment scheduler screen	Click on Register.	Registration form opens up.	3
4	User Type patient has to fill registration form in order to register	Fill the registration form enter username password of choice to be registered and click on the button register.	“You have been successfully registered”	3
5	User Type patient has to fill registration form completely in order to register	Fill incomplete information in the form by leaving few mandatory fields blank and click on signup.	“ Please fill all required information to register”	4
6	When user type patient fills the registration form the username has to be unique.	Fill an existing username in the registration form	“User already exists, Please try with another username”	4
7	Registered User Type Patient will have access to Appointment Scheduler page where dashboard will give access to user to schedule appointment and make changes to	Enter valid username/password along with choosing user type as patient to access the screen. Verify the patient dashboard menu	Appointment scheduler page will open with patient dashboard giving access to choose day and time for appointment and account details.	1,5,7

Sr No.	Test Case	Test Methodology	Expected Output	Success Criteria
	their contact and account information			
8	User Type doctor will have access to doctor dashboard giving access to adding and changing appointment timeslots. It also gives patient management rights	Enter valid username/password along with choosing user type as doctor to access the screen verify the doctor dashboard menu.	Appointment scheduler page will open with doctor dashboard giving access to choose day and time for appointment and account details.	5,12
9	Incase of forgotten username/ password login screen allows user to get an OTP on the registered mobile number	Click on forgot password Enter registered number and click on Send OTP button Enter OTP in the enter OTP screen and click on Login button	"Enter registered number" with send OTP button OTP sent to registered number and Enter OTP to login screen opens "Set new username password" with submit button	6
10	User type patient will be able to select date and time and type of consultation of the appointment from patient dashboard menu.	Select date and click on get appointment button Select time slot and type of consultation i.e. online or physical and click on confirm appointment button	Shows available time slots of appointment "Your appointment has been confirmed" Message will be sent to registered number and doctor "Your appointment has been confirmed for date and time"	1,8,9
11	User Type patient will be able to cancel or change appointment from the menu of	Click on "Cancel/Reschedule appointment" option from menu	Two buttons Cancel and Reschedule buttons will be seen along with	1,10

Sr No.	Test Case	Test Methodology	Expected Output	Success Criteria
	patient dashboard.		message “Your appointment is confirmed for date and time”	
12	User type Patient is able to cancel the appointment	Click on Cancel button Click on Yes button Click on No button	Message seen on screen “Are you sure you wish to cancel the appointment” with buttons Yes and No “Thank you for contacting us, your appointment has been cancelled “ Dashboard home page opens up	10
13	User type Patient can manage and update their personal contact details	Click on” Update Account information” from the patient dashboard menu Enter details that need to be updated and click on update button	Contact details of user will be seen with update button “Your account details have been updated”	1,11
14	User type Doctor can add appointment slots	Click on add appointment slot button from the doctor dashboard menu Enter time slot in the empty field and click on add. Click on view appointments slots	Form to fill the time slot with date will open with button add “New appointment slot has been added” New slot added should be seen in the list	1,12

Sr No.	Test Case	Test Methodology	Expected Output	Success Criteria
15	User type Doctor can delete appointment slots	Click on delete appointment slot button from the doctor dashboard menu Click on time slot to be deleted from list of appointment slots and click on delete Click on view appointments slots	All appointment slots list will be seen date wise “This appointment slot has been deleted” Time slot will be seen date wise and deleted time slot should not be seen in the list	1,12
16	User type doctor can view booked appointments	Click on view appointments from doctor dashboard menu	List of all booked appointments date wise will be seen	1,12
17	User type doctor can view available appointment slots	Click on view available appointments slots from doctor dashboard menu	List of available time slots date wise not booked by patients will be seen	1,12
18	Check available appointment slots for user type patient	Enter multiple user login and confirm appointment slots	Confirmed appointment slots will not show available	1,8
19	To exit site Logout option will be available	Click on Logout button to exit site	“Thank you for visiting us”	13

Entity-Relationship Diagram



Tables:

i. Table tblpatient

Column	Datatype	Size	Key	Constraint
patientid	**int**	**20**	**Primary Key**	
patientfirstname	**char**	**25**		
patientlastname	**char**	**25**		
patientnumber	**int**	**10**		
patientaddress	**varchar**	**200**		
patientage	**int**	**3**		
patienthistory	**varchar**	**300**		

ii. Table tbldoctor

Column	Datatype	Size	Key	Constraint
doctorid	int	20	Primary Key	
doctorfirstname	char	25		
doctorastname	char	25		
doctornumber	int	10		

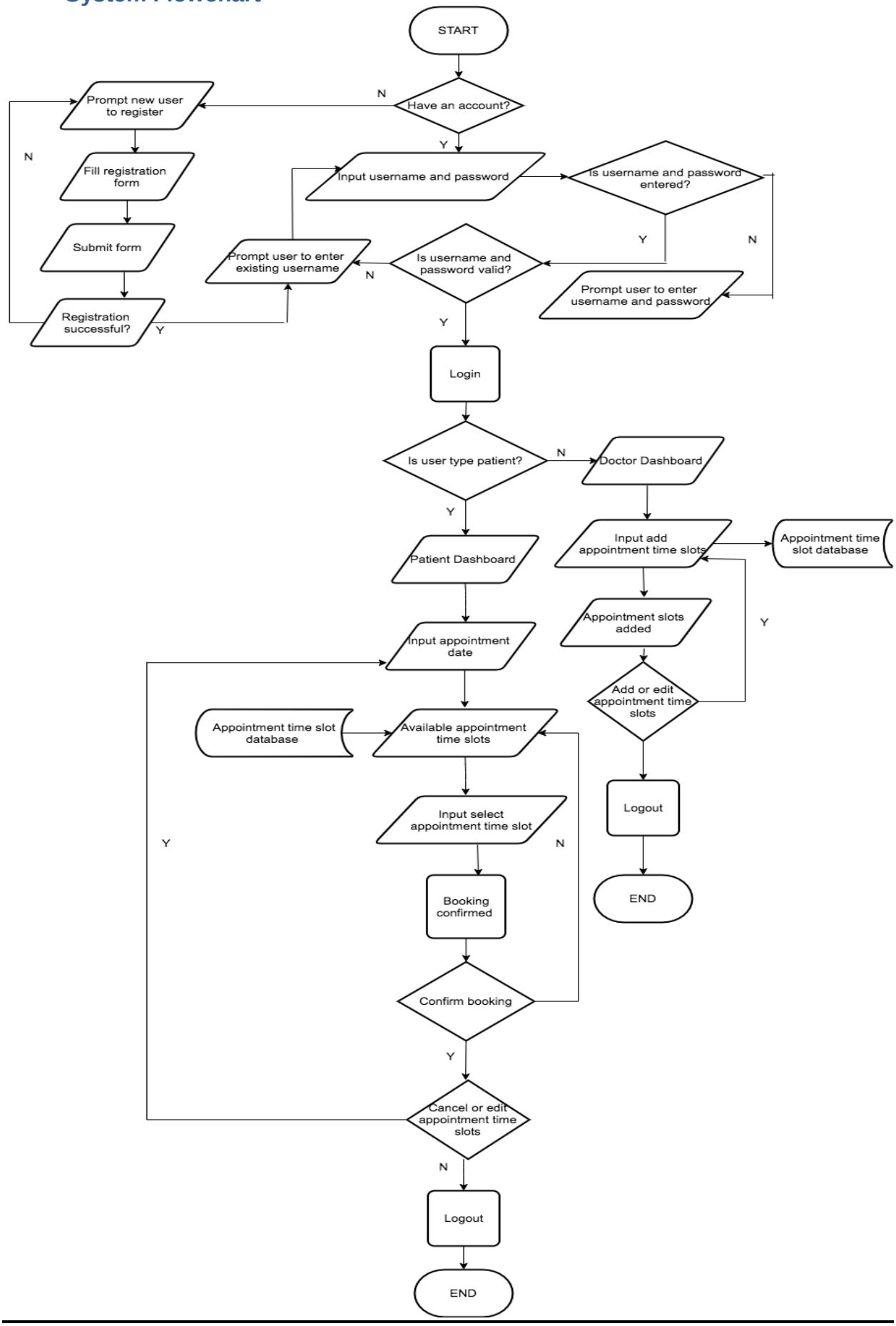
iii. Table tbllogin

Column	Datatype	Size	Key	Constraint
loginid	char	20	Primary Key	
loginusername	varchar	15		
loginpassword	varchar	25		
loginotp	int	6		

iv. Table tblappointment

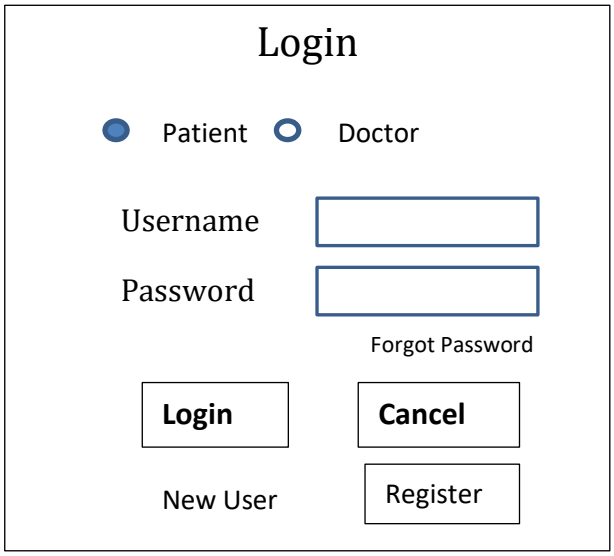
Column	Datatype	Size	Key	Constraint
appoitmentid	char	20	Composite Primary Key	ON DELETE CASCADE ON UPDATE CASCADE
appointmenttime	int	15		
appointmentdate	int	25		
appointmenthistory	varchar	6		
patientid	int	20	Foreign Key	
doctorid	int	20	Foreign Key	

System Flowchart



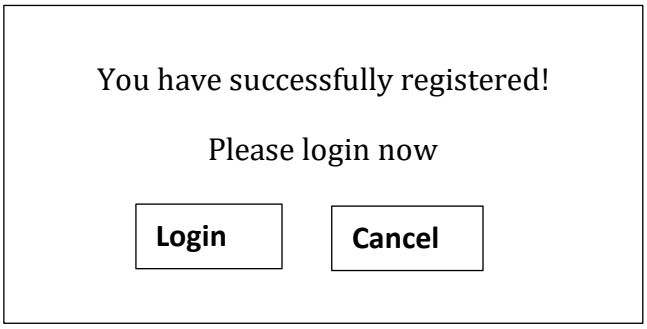
Graphical User Interface

Login Screen

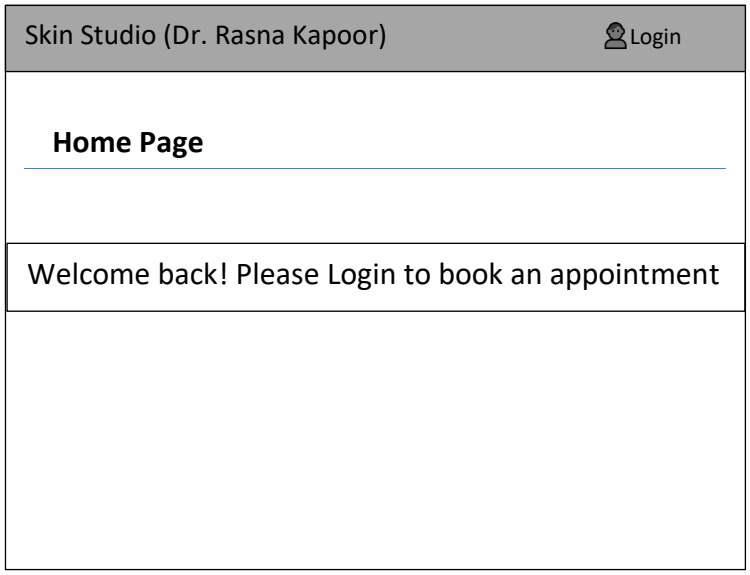


Registration Form

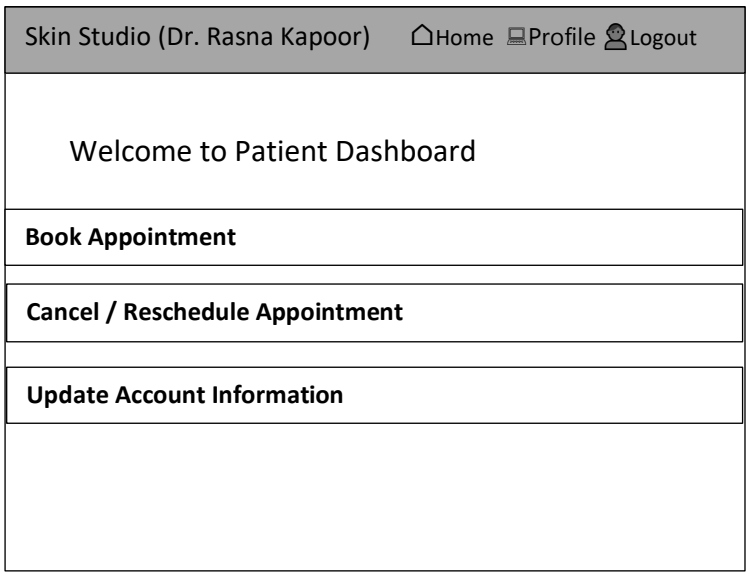
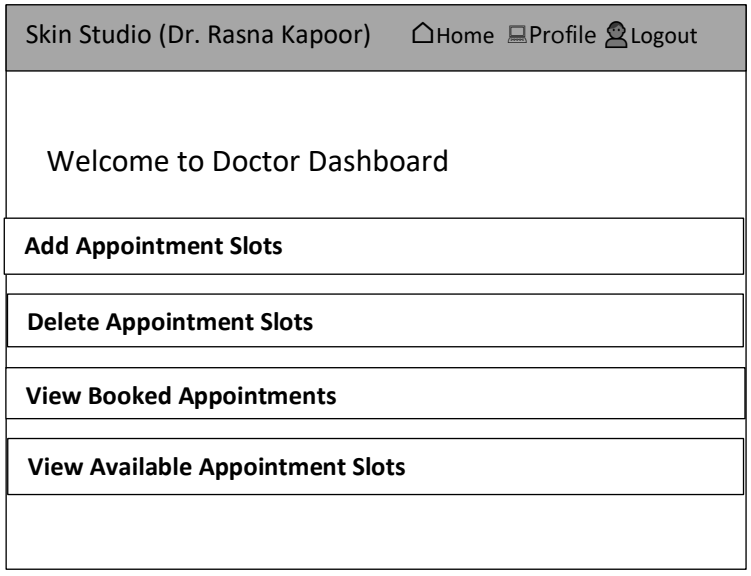
Post Registration Page



Home Page



Patient Dashboard



Doctor Dashboard