

	Team Members :					
	Ashish Kumar Gupta	180050013 180050013@iitb.ac.in				
	Jagdish Suthar	180050039 jsuthar@iitb.ac.in				
	Kaushal U	180050047 180050047@iitb.ac.in				
	Shivanshu Gour	180050099 180050099@iitb.ac.in				
Test. No.	Requirement it is testing	Use case it is testing	Inputs to the test	Expected outputs	Expected backend changes (change to DB state for example)	Test procedure (which screen to load, what action to take etc.)
Doctors						
1	username and password should be correct	Login into system as a staff (Doctor)	Correct username and password	Dashboard will be presented	NA	Goto Login screen and login as staff with valid credentials
2			username or password incorrect	An Error Message will be displayed on the Login Page	NA	Goto Login screen and login as staff with invalid credentials
3	appointment status can't be marked as cancelled if it is already complete or cancelled	cancel an appointments	cancel an appointment which is marked as complete	Error msg saying already completed	NA	click on cancel button corresponding to existing appointment whose status is 'complete'
4			cancel an appointment which is already cancelled	Error msg saying already cancelled	NA	click on cancel button corresponding to existing appointment whose status is 'cancelled'
5	Succesfully cancel a appointment		cancel an appointment which is not complete or cancelled	Msg saying appointment cancelled and status will be changed accordingly	Status of appointment will be changed and refund will be made to patient	click on cancel button corresponding to existing appointment whose status is neither 'cancelled' nor 'complete'
6	doctors should see the appointments(on a given date and time interval)	See the list of appointments	date and time interval	List of appointment on that day and between given time interval	NA	Goto check appointment screen on doctors dashboard and put the dates and timings
7	Doctor should be able to write the prescription successfully	Write prescription	diagnosis , remarks ,medicine list and doses, lab_test list	Msg saying successfully added a prescription	In prescription, prescribed_meds and prescribed_test table new data will be added	Click on add prescription button corresponding to an appointment on dashboard and then add input details on form
8	Doctor should be able to modify the prescription successfully	modify prescription	modified diagnosis , remarks ,medicine list and doses, lab_test list	Msg saying successfully Modified a prescription	In prescription, prescribed_meds and prescribed_test table new data will be updated	Click on change-prescription button corresponding to an appointment on dashboard and then add input details on form
9	Doctor should be able to see the prescription successfully	see prescription	click on view prescription button	Prescription will be showed on screen	NA	Click on view-prescription button corresponding to an appointment on dashboard
10	Patient profile should open for correct patient_id	Get Patients info	valid Patient id	Patients profile will be shown on screen	NA	Click on Get-patient-details button and put the patient id
11			Invalid Patient id	Error message "patient doesn't exist"	NA	Click on Get-patient-details button and put the patient id
12	Should be able to see test reports of a patient	Can See test reports	click on view-reports button	All reports of lab tests will be shown	NA	Click on view report button on patient-profile screen
Accountant						
13	amount should be positive(>0) and patient_id should be valid	Add money to patient's wallet	valid patient_id and amount>0	Succesfully added amount	In the real_transaction table add a new row for this transaction and update balance of patient	Goto add-amount page on dashboard and put patient id and amount in form
14			invalid patient_id or amount<=0	Error msg corresponding to Invalid patient_id or invalid amount will be shown	NA	Goto add-amount page on dashboard and put patient id and amount in form
15	return the amount only if amount is less than remaining	give back money from wallet	patient_id and amount< balance	Succesfully returned amount	In the real_transaction table add a new row for this transaction	Goto return-amount page on dashboard and put patient id and amount in form

16	amount is less than remaining balance	give back money from wallet	patient_id and amount>balance	Error msg 'Insufficient balance will be shown'	NA	Goto return-amount page on dashboard and put patient id and amount in form
Pathologist						
17	Should be able to see reports and prescription if patient_id is correct	Access prescription and previous reports of patient	valid Patient id	A list of all previous reports and prescription will be shown datewise	NA	Click on 'Access-reports and prescription' button on dashboard and enter the patient id and click get details
18			Invalid Patient id	Error msg "patient doesn't exist"	NA	Click on 'Access-reports and prescription' button on dashboard and enter the patient id and click get details
19	If the status of appointment is not 'complete', 'cancelled' or 'sample taken' then status should change to 'sample taken'	Take sample	click on sample taken button for an appointment whose status is NOT 'complete', 'cancelled' or 'sample taken'	Sample taken successfully	In test_appointment table status will be changed to "sample taken"	on the page showing list of appointments, click on sample taken button for an appointment whose status is NOT 'complete', 'cancelled' or 'sample taken'
20			click on sample taken button for an appointment whose status is 'complete', 'cancelled' or 'sample taken'	Error msg "appointment is already complete or sample is taken or is cancelled"	NA	on the page showing list of appointments, click on sample taken button for an appointment whose status is NOT 'complete', 'cancelled' or 'sample taken'
21	Report file should be added/updated successfully	Add / Update report corresponding to an appointment	report_file	report Added/updated successfully	In test_appointment table status will be changed to "complete" and path to report file will be added	Click on Add-report button on a particular appointment and add file to be uploaded
22	should be able to cancel a appointment successfully	Cancel appointment	NA	pop up Msg showing appointment successfully cancelled	In test_appointment table status will be changed to "cancelled"	Click on cancel-report button on a particular appointment
Admin						
23	if Admin can fetch analytics successfully	Can see statistics and analytics	click on analytics button	A screen showing options of various analytics	NA	click on analytics button on dashboard and then select a analytics
Director						
24	if Director can fetch analytics successfully	Can see statistics and analytics	click on analytics button	A screen showing options of various analytics	NA	click on analytics button on dashboard and then select a analytics
25		Add a new staff member	details of new staff i.e(name, address, phone, salary)	Success message and profile of new staff will be shown	In staff table new row is added and according to the type of staff a new row is added in that table	click on Add-new-staff on dash board , fill up the relevant details in form then then click on submit
26		remove a staff member	Valid Staff id	A message for successfully removed staff	In staff table date_of_leave will be updated to current date	click on remove staff button on dashboard and enter the staff id then click submit
27			Invalid staff id	Error msg "staff id doesn't exist"	NA	click on remove staff button on dashboard and enter the staff id then click submit
Patient						
28	username and password should be correct	Login into system as a Patient	Correct username and password	Dashboard will be presented	NA	Goto Login screen and enter valid logins
29			username or password incorrect	An Error Message will be displayed on the Login Page	NA	Goto Login screen and enter invalid logins
30	User should be able to view history	Get appointment and medical tests history	click on view history button	list of appointment and test_appointments will be shown	NA	Goto dashboard and click on view history button

31			Valid Doctor id, slot on given date is free (assuming balance >= fee)	Your Appointment is Booked	New Appointment Record will be added in the appointment relation with the corresponding doctor id, patient id and slot Balance field will be updated in the patient relation A new record will be inserted in Wallet_transaction relation accordingly	Goto book-appointment page and select doctor, slot and date and click proceed to payment and then click pay amount	
32	Doctor_id should be valid. Slot with the slot id should be free on the date provided	A patient can book an appointment with a doctor by paying money from their wallet and can choose a slot from available ones.	Invalid Doctor id, slot on given date is free (assuming balance >= fee)	Doctor id is invalid	NA	Goto book-appointment page and select doctor, slot and date and click proceed to payment and then click pay amount	
33			Valid Doctor id, slot on given date is NOT free (assuming balance >= fee)	Slot is already full. please, select other one	NA	Goto book-appointment page and select doctor, slot and date and click proceed to payment and then click pay amount	
34	Balance in Patient's Wallet should be greater than equal to the fees for the appointment		Balance in Patient's Wallet greater than equal to the fees for the appointment (assuming valid doctor_id and free slot)	Your Appointment is Booked	New Appointment Record will be added in the appointment relation with the corresponding doctor id, patient id and slot Balance field will be updated in the patient relation A new record will be inserted in Wallet_transaction relation accordingly	Goto book-appointment page and select doctor, slot and date and click proceed to payment and then click pay amount	
35			Balance in Patient's Wallet is less than the fees for the appointment (assuming valid doctor_id and free slot)	You don't have enough balance in your wallet. Your Balance: xxxxx Fees: xxxxxx	NA	Goto book-appointment page and select doctor, slot and date and click proceed to payment and then click pay amount	
36	test_id should be valid. Slot with the slot id should be free on the date provided	A patient can book an appointment for Lab Test by paying money from their wallet and can choose a slot from available ones.	Valid test_id, slot on given date is free (assuming balance >= fee)	Your Appointment is Booked	New Appointment Record will be added in the test_appointment relation with the corresponding test id, patient id and slot Balance field will be updated in the patient relation A new record will be inserted in Wallet_transaction relation accordingly	Goto book-test-appointment page and select lab_test, slot and date and click proceed to payment and then click pay amount	
37				Invalid test_id, slot on given date is free (assuming balance >= fee)	test id is invalid	NA	Goto book-test-appointment page and select lab_test, slot and date and click proceed to payment and then click pay amount
38				Valid test id, slot on given date is NOT free (assuming balance >= fee)	Slot is already full. please, select other one	NA	Goto book-test-appointment page and select lab_test, slot and date and click proceed to payment and then click pay amount
39	Balance in Patient's Wallet should be greater than equal to the fees for the appointment		Balance in Patient's Wallet greater than equal to the fees for the appointment (assuming valid test_id and free slot)	Your Appointment is Booked	New Appointment Record will be added in the test_appointment relation with the corresponding test id, patient id and slot Balance field will be updated in the patient relation A new record will be inserted in Wallet_transaction relation accordingly	Goto book-test-appointment page and select lab_test, slot and date and click proceed to payment and then click pay amount	
40			Balance in Patient's Wallet is less than the fees for the appointment (assuming valid test_id and free slot)	You don't have enough balance in your wallet. Your Balance: xxxxx Fees: xxxxxx	NA	Goto book-test-appointment page and select lab_test, slot and date and click proceed to payment and then click pay amount	
41	Should be able to add money from bank to wallet	Add money to the wallet from bank	click on add money to wallet	Success or Faliure depending on payment gateways status	If payment succeed then update balance and add entry into real_transaction	On Dashboard click on add-money to wallet, it will redirect to payment gateway and rest actions will be taken as per gateway	
42	Should be able to withdraw money from wallet to bank if amount is <= balance	Withdraw money from the wallet	amount <= balance	withdraw successful	update balance and add real_transaction	On Dashboard click on withdraw-money from wallet, and enter amount	
43			amount > balance	innsufficient balance	NA	On Dashboard click on withdraw-money from wallet, and enter amount	

Pharmacy Keeper

44	the quantity added and price should not be negative	The pharmacy keeper can update for the medicine entity for the new supply	medicine name, medicine company, the quantity, the price which should be added quantity,price > 0	medicine updated successfully	the medicine relation is updated having 2 cases i) if the medicine is already in the table then just update the quantity by adding the quantity ii) if the medicine is not there in the table then add the row	Click on add medince option and enter the details to click on update
45			medicine name, medicine company, the quantity, the price which should be added quantity,price < 0	updatation failed	NA	Click on add medince option and enter the details to click on update
46	patient_id,medicine should be valid and quantity > 0	initiate the payment after the medicine	patient_id,medicine_name, medicine_company_quantity	the table which contains the bill of the medicine bought	NA	click on buy medicine and Enter the details of medicine
47			add medicine	the input fields medicine_id, medicine_name,quantity becomes empty	NA	click on buy add(more) to add medicine
48	the number of rows added to medicine bill > 0		proceed to payment	redirecting to payments page	NA	click on procced to payment