System Test Document

for

DentEase

Version 1.0

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1. Unit Test Cases

Test Case #: 1

Test Case Scenario: Login
Actor: Patient, Dentist, Secretary
Pre-condition: Access www.ustdentease.com

Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
Check if the user can login with a valid username and password	Email: alwynnico.santos.iics@ust.edu.ph Password: Agbunag0915	1: Enter email 2: Enter password 3: Click login button	Access System	Access Homepage	PASS

Post-condition: Access Patient Homepage, Dentist Homepage, Secretary Homepage.

Test Case #: 2 Test Case Scenario: Signup

Actor: Patient

Pre-condition: User must be in signup page

Test Case	Test Data	Test Steps	Expected	Actual	Resul
			Output	Result	t
Check if	Email:	1: Enter	Access Step	Access Step	PASS
user can	andreafaith.mateo@ust.edu.	Email	2 of signup	2 of signup	
access next	ph	2: Enter			
step of sign		Password			
up with	Password:	3: Confirm			
valid	Mercado98	Password			
email,	11101044030	4: Click			
password,	Confirm Password:	Next			
and	Mercado 98	TIOAL			
confirm	Wicieado				
password.					
Check if	Email:	1: Enter	Email:	Email:	PASS
clear			chan. <null></null>		IASS
	andreafaith.mateo@ust.edu.	Email	\nun	<null></null>	
button will	ph	2: Enter	D 1	D 1	
clear all		Password	Password:	Password:	
fields	Password:	3: Confirm	<null></null>	<null></null>	
	Mercado98	Password			
		4: Click	Confirm	Confirm	
	Confirm Password:	Clear	Password:	Password:	
	Mercado98		<null></null>	<null></null>	

C1 1 'C	ID N. 1 2017001410	11 5	T 4 G	T 4	D A GG
Check if user can access next step of sign up with valid inputs	ID Number: 2015081419 First Name: Andrea Middle Name: Mercado Last Name: Mateo Birthdate: 1998-09-11 Sex: Female Contact Number: 09954642753 Address: 2421 Leon Guinto St. Guardian: Joan Mateo Guardian's Contact No: 09954642753 Guardian's Address: 2421 Leon Guinto St.	1: Enter ID Number 2: Enter First Name 3: Enter Middle Name 4: Enter Last Name 5: Enter Birthdate 6: Choose Sex 7: Enter Contact Number 8: Enter Address 9: Enter Guardian's Name 10: Enter Guardian's Contact Number 11: Enter Guardian's Address 12: Click next	Access Step 3 of signup	Access Step 3 of signup	PASS
Check if clear button will clear all fields	ID Number: 2015081419 First Name: Andrea Middle Name: Mercado Last Name: Mateo Birthdate: 1998-09-11 Sex: Female Contact Number: 09954642753 Address: 2421 Leon Guinto St. Guardian: Joan Mateo Guardian's Contact No: 09954642753 Guardian's Address: 2421 Leon Guinto St.	1: Enter ID Number 2: Enter First Name 3: Enter Middle Name 4: Enter Last Name 5: Enter Birthdate 6: Choose Sex 7: Enter Contact Number 8: Enter Address 9: Enter Guardian's Name 10: Enter Guardian's	ID Number: <null> First Name: <null> Middle Name: <null> Last Name: <null> Birthdate: <null> Sex: <null> Contact Number: <null> Address: <null> Guardian: <null> Guardian: <null> Contact Number: <null></null></null></null></null></null></null></null></null></null></null></null>	ID Number: <null> First Name: <null> Middle Name: <null> Last Name: <null> Birthdate: <null> Sex: <null> Contact Number: <null> Address: <null> Guardian: <null> Guardian: <null> Contact Number: <null></null></null></null></null></null></null></null></null></null></null></null>	PASS

Check if back button takes the user to the previous	none	Contact Number 11: Enter Guardian's Address 12: Click Clear 1: Click Back	Guardian's Address: <null> Access previous step of signup</null>	Guardian's Address: <null> Access previous step of signup</null>	PASS
Step's page Check if user can access Step 3 of sign up with valid inputs	Past Medical History: <null> Surgical Procedures: N/A Medications: N/A</null>	1: Enter Past Medical History 2: Enter Surgical Procedures 3: Enter Medication s 4: Click I have read and agreed to the terms and conditions 5: Click Submit	Access verify email step of signup	Access verify email step of signup	PASS
Check if clear button will clear all fields	Past Medical History: <null> Surgical Procedures: N/A Medications: N/A</null>	1: Enter Past Medical History 2: Enter Surgical Procedures 3: Enter Medication s 4: Click I have read and agreed to the terms and conditions 5: Click Clear	Past Medical History: <null> Surgical Procedures: <null> Medications : <null></null></null></null>	Past Medical History: <null> Surgical Procedures: <null> Medications : <null></null></null></null>	PASS
Check if clear button will	Verification code: 192731	1: Enter Verificatio n Code	Verification Code: <null></null>	Verification Code: <null></null>	PASS

clear all fields		2: Click Clear			
Check if user can successfull y verify their email and register	Verification code: 192731	1: Enter verification code 2: Click register	Access page notifying of signup success	Access page notifying of signup success	PASS
Check if user can go back to login page after successfull y signing up	none	1: Click Login	Access Login Page	Access Login Page	PASS

Post-condition: Successfully create an account

Test Case #: 3

Test Case Renario: Forget Password
Actor: Patient, Dentist, Secretary
Pre-condition: User must be in Forget Password Page

Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
Check if valid email	Email: andreafaith.mateo.iics@ust.edu.ph	1: Enter Email 2: Click Send	Access verify email page	Access verify email page	PASS
Check if valid verification code	Verification code: 191234	1: Check email 2: Enter verification code	Access password change page	Access password change page	PASS
Check if valid password	New Password: Mercado1998 Confirm Password: Mercado1999	1: Enter new password 2: Confirm password 3: Click Save	Access login page	Access login page	PASS

Post-condition: The user has successfully changed his/her password.

Test Case #: 4

Test Case Scenario: Logout
Actor: Patient, Secretary, Dentist
Pre-condition: User must be in Profile Page

Test Case	Test Data	Test Steps	Expected	Actual	Result
			Output	Result	
Check if user can logout	Logout	1. Click your name at the upper right-hand corner 2. Click the Logout button	User is logged out	The user is successfully logged out and redirected to the login page	PASS
Check if the Logout button is functioning	Logout	1. Click your name at the upper right-hand corner 2. Click the Logout button	The Logout button is functioning and the user is logged out	The Logout button is functioning and user is successfully logged out and redirected to the login page	PASS

Post-condition: User is successfully logged out and redirected to the Login Page

Test Case #: 5

Test Case Scenario: Account Management

Actor: Patient

Pre-condition: User must be in Update Profile Page

Test Case	Test Data	Test Steps	Expected	Actual Result	Result
			Output		
Check if ID	ID No: a	1. Enter an	Display an	Display an	PASS
No text field	Last Name:	alphabetic	error message	error message	
will accept	Santos	character in	for ID No	for ID No	
alphabetical	First Name:	ID No text	"The ID	"The ID	
characters	Alwyn Nico	field	number	number	
	Middle Name:	2. Click	should be 10	should be 10	
	Agbunag	Save button	digits"	digits"	
	Birthdate:				
	1998-05-08				

	Α 10	1	<u> </u>	<u> </u>	
	Age: 19 Sex: M Contact No: 0917817007 Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: Dominic P. Santos Guardian's Contact No: 09954642753 Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina City Past Medical History: Asthma Surgical Procedures: N/A Medications: N/A				
Check if ID No text field will accept special characters	ID No: @ Last Name: Santos First Name: Alwyn Nico Middle Name: Agbunag Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: 0917817007 Address: 193 General Ordonez St. Marikina Heights, Marikina City	1. Enter a special character in ID No text field 2. Click Save button	Display an error message for ID No "The ID number should be 10 digits."	Display an error message for ID No "The ID number should be 10 digits"	PASS

Check if	Guardian: Dominic P. Santos Guardian's Contact No: 09954642753 Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina City Past Medical History: Asthma Surgical Procedures: N/A Medications: N/A ID No: 2015081404	1. Enter a	Display an	Display an	PASS
First Name, Last Name, Middle Name, Guardian Name text field will accept numerical characters	2015081404 Last Name: 123 First Name: 123 Middle Name: 123 Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: 0917817007 Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: 123 Guardian's Contact No: 09954642753 Guardian's Address: 193 General Ordonez St. Marikina City Guardian St. Marikina City Guardian's Contact No: 09954642753 Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina City	numerical character in First Name text field 2. Enter a numerical character in Last Name text field 3. Enter a numerical character in Middle Name text field 4. Enter a numerical character in Guardian Name text field 5. Click Save button	error message "Your name must contain only letters."	error message "Your name must contain only letters."	

	Past Medical History: Asthma Surgical Procedures: N/A Medications: N/A				
Check if First Name, Last Name, Middle Name, Guardian Name text field will accept special characters	ID No: 2015081404 Last Name: !!! First Name: !!! Middle Name: !!! Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: 0917817007 Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: !!! Guardian's Contact No: 09954642753 Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina Heights, Marikina Heights, Marikina Heights, Marikina City Past Medical History: Asthma Surgical Procedures: N/A Medications: N/A	1. Enter a special character in First Name text field 2. Enter a special character in Last Name text field 3. Enter a special character in Middle Name text field 4. Enter a special character in Guardian Name text field 5. Click Save button	Display an error message "Your name must contain only letters."	Display an error message "Your name must contain only letters."	PASS
Check if Contact No, Guardian's Contact No will accept	ID No: 2015081404 Last Name: Santos First Name: Alwyn Nico	1. Enter an alphabetic character in Contact No text field	Display an error message "The contact number should be 11	Display an error message "The contact number should be 11	PASS

alphabetical characters	Middle Name: Agbunag Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: a Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: Dominic P. Santos Guardian's Contact No: a Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina City Past Medical History: Asthma Surgical Procedures: N/A Medications: N/A	2. Enter an alphabetic character in Guardian's Contact No text field 3. Click Save button	digits. e.g. 09xxxxxxxxx"	digits. e.g. 09xxxxxxxxx"	
Check if Contact No, Guardian's Contact No will accept special characters	ID No: 2015081404 Last Name: Santos First Name: Alwyn Nico Middle Name: Agbunag Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: @ Address: 193 General Ordonez St. Marikina Heights, Marikina City	1. Enter a special character in Contact No text field 2. Enter a special character in Guardian's Contact No text field 3. Click Save button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	PASS

	Guardian: Dominic P. Santos Guardian's Contact No: @ Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina City Past Medical History: Asthma Surgical Procedures: N/A Medications: N/A				
Check if birth year goes beyond 2002 and Age exceeds below 12 years old (age automatically generates)	ID No: 2015081404 Last Name: Santos First Name: Alwyn Nico Middle Name: Agbunag Birthdate: 2018-05-08 Age: 19 Sex: M Contact No: 0917817007 Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: Dominic P. Santos Guardian's Contact No: 09954642753 Guardian's Address: 193 General Ordonez St. Marikina	1. Choose birth year 2. Click Save button	Display an error message "Your birth year must be within the 1958-2006 only."	Save information entered	FAIL

	Heights, Marikina City Past Medical History: Asthma Surgical Procedures: N/A Medications: N/A				
Check if Contact No, Guardian's Contact No text field will accept a value with less than 11 numerical characters	ID No: 2015081404 Last Name: Santos First Name: Alwyn Nico Middle Name: Agbunag Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: 0917817400 Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: Dominic P. Santos Guardian's Contact No: 0917817400 Guardian's Address: 193 General Ordonez St. Marikina City Fantos Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina Surgical Procedures: N/A Medications: N/A	1. Enter a value in Contact No text field 2. Enter a value in Guardian's Contact No text field 3. Click Save button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	PASS

Check if Contact No, Guardian's Contact No will accept a value that does not start with 09	ID No: 2015081404 Last Name: Santos First Name: Alwyn Nico Middle Name: Agbunag Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: 2917817007 Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: Dominic P. Santos Guardian's Contact No: 2917817007 Guardian's Address: 193 General Ordonez St. Marikina City Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina Surgical Procedures: N/A Medications: N/A	1. Enter a value in Contact No text field 2. Enter a value in Guardian's Contact No text field 3. Click Save button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	PASS
Check if ID No, Guardian Name, Guardian Contact No, Guardian Address, Contact, Address, Surgical Procedures,	ID No: () Last Name: Santos First Name: Alwyn Nico Middle Name: Agbunag Birthdate: 1998-05-08 Age: 19 Sex: M	1. Enter a null value in ID No text field 2. Enter a null value in Guardian Name text field 3. Enter a null value	Display an error message "Please fill out this field."	Display an error message "Please fill out this field."	PASS

Medications will accept a null value	Contact No: () Address: () Guardian: () Guardian's Contact No: () Guardian's Address: () Past Medical History: Asthma Surgical Procedures: () Medications: ()	in Guardian Contact No text field 4. Enter a null value in Guardian Address text field 5. Enter a null value in Contact text field 6. Enter a null value in Address text field 7. Enter a null value in Surgical Procedures text field 8. Enter a null value in Medications text field 2. Click Save button			
Check if First Name, Last Name, Middle Name will accept a null value	D No: 2015081404 Last Name: () First Name: () Middle Name: () Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: 0917817007 Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: Dominic P. Santos Guardian's Contact No: 09954642753	1. Enter a null value in First Name text field 2. Enter a null value in Last Name text field 3. Enter a null value in Middle Name text field 4. Click Save button	Display an error message "Please fill out this field."	Display an error message "Please fill out this field."	PASS

	Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina City Past Medical History: Asthma Surgical Procedures: N/A Medications: N/A				
Test if you can uncheck the checkbox of your Past Medical History	D No: 2015081404 Last Name: Santos First Name: Alwyn Nico Middle Name: Agbunag Birthdate: 1998-05-08 Age: 19 Sex: M Contact No: 0917817007 Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian: Dominic P. Santos Guardian's Contact No: 09954642753 Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina City Guardian's Contact No: 09954642753 Guardian's Address: 193 General Ordonez St. Marikina Heights, Marikina Heights, Marikina City Past Medical History: Asthma	1. Click the checkbox of the Past Medical History 2. Click Save button	Save information entered	Save information entered	PASS

Surgical			
Procedures:			
N/A			
Medications:			
N/A			
Past Medical Past Medical History			
Past Medical History			
☐ Highblood Pressu	e		

Post-condition: User can successfully Update Profile Page

Test Case #: 6
Test Case Scenario: Account Management

Actor: Dentist
Pre-condition: User must be in Update Profile Page

Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
Check if Last Name, First Name, Middle Name, Specialization text field will accept numerical characters	Last Name: 123 First Name: 123 Middle Name: 123 Contact No: 09954836824 Specialization: 123	1. Enter a numerical character in First Name text field 2. Enter a numerical character in Last Name text field 3. Enter a numerical character in Middle Name text field 4. Enter a numerical character in Guardian Name text field 5. Click Save button	Display an error message "Your name must contain only letters."	Display an error message "Your name must contain only letters."	PASS
Check if Last Name, First Name, Middle	Last Name: !!! First Name: !!!	1. Enter a special character in First	Display an error message "Your name	Display an error message "Your name	PASS

Name, Specialization text field will accept special characters	Middle Name: !!! Contact No: 09954836824 Specialization: !!!	Name text field 2. Enter a special character in Last Name text field 3. Enter a special character in Middle Name text field 4. Enter a special character in Guardian Name text field 5. Click Save button	must contain only letters."	must contain only letters."	D. A. G.C.
Check if Last Name, First Name, Middle Name, Specialization text field will accept a null value	Last Name: () First Name: () Middle Name: () Contact No: 09954836824 Specialization: ()	1. Enter a null value in First Name text field 2. Enter a null value in Last Name text field 3. Enter a null value in Middle Name text field 4. Enter a null value in Guardian Name text field 2. Click Save button	Display an error message "Please fill out this field."	Display an error message "Please fill out this field."	PASS
Check if Contact No will accept an	Last Name: Dela Cruz	1. Enter an alphabetic character	Display an error message "The contact	Display an error message "The contact	PASS

alphabetical characters	First Name: Arvin Joseph Middle Name: Villanueva Contact No: abc Specialization: Orthodontic	in Contact No text field 2. Click Save button	number should be 11 digits. e.g. 09xxxxxxxxx	number should be 11 digits. e.g. 09xxxxxxxxx	
Check if Contact No will accept an special characters	Last Name: Dela Cruz First Name: Arvin Joseph Middle Name: Villanueva Contact No: !!! Specialization: Orthodontic	1. Enter a special character in Contact No text field 2. Click Save button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxxx"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxxx"	PASS
Check if Contact No, Guardian's Contact No text field will accept a value with less than 11 numerical characters	Last Name: Dela Cruz First Name: Arvin Joseph Middle Name: Villanueva Contact No: 0995483682 Specialization: Orthodontic	1. Enter Contact No in text field 2. Enter Guardian's Contact No in text field 3. Click Save button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxxx"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxxx"	PASS
Check if Contact No, Guardian's Contact No will accept a value that does not start with 09	Last Name: Dela Cruz First Name: Arvin Joseph Middle Name: Villanueva Contact No: 29954836824 Specialization: Orthodontic	1. Enter Contact No in text field 2. Enter Guardian's Contact No in text field 3. Click Save button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	PASS

Post-condition: User can successfully Update Profile Page

Test Case #: 7
Test Case Scenario: Set an appointment
Actor: Patient
Pre-condition: User must be in Schedule Appointment Page

Test Case	Test Data	Test Steps	Expected	Actual	Result
			Output	Result	
Check if	Select your dentist:	1.Choose	User can set	The	PASS
user can set	Complain: Toothache	your	an	scheduled	
an	Start Time: 2018-03-	preferred	appointment	appointment	
appointment	06 09:00:00	dentist		is posted in	
	End Time: 2018-03-06	from the		the calendar	
	10:00:00	dropdown			
		list			
		2. Click the			
		date with			
		preferred			
		time in the			
		calendar			
		3. Enter			
		information			
		in			
		Complain			
		text field			
		4. Click			
		Save			
		button			

Post-condition: User can successfully set an appointment in the Schedule Appointment page

Test Case #: 8

Test Case Scenario: Viewing of Appointment

Actor: Secretary

Pre-condition: User must be in View Appointment Page

Test Case	Test Data	Test Steps	Expected	Actual	Result
			Output	Result	
Check if		1. Click the	User can	User can	PASS
user can		date from	view the	view the	
view the	Dr. Reinerio Dris	the calendar	appointment	appointment	
appointment		to see the	details	details	
details		appointment			
		details			

Post-condition: User can successfully view the appointment in the View Appointment Page

Test Case #: 9

Test Case Scenario: Change Password Actor: Patient, Dentist, Secretary

Pre-condition: User must be in Account Page

Test	Test Data	Test Steps	Expected	Actual	Result
Case			Output	Result	
Check if	Old Password:	1. Enter Old	Redirect	Redirected	PASS
new	Mercado98	Password	to	to a	
password		2. Enter New	success	success	
will be	New Password:	Password	page	page	
registered	Mercado1998	3. Enter Confirm			
		Password			
	Confirm Password:	4. Click Captcha			
	Mercado1998	5. Click Save			
		button			

Post-condition: User can successfully change password

Test Case #: 10

Test Case Scenario: End an Appointment

Actor: Dentist

Pre-condition: User must be in Appointments Page

Test Case	Test Data	Test Steps	Expected	Actual	Result
			Output	Result	
Test if the	Patient Name:	1. Click the	The	The	PASS
Finish	Gabrielle Nikole	Appointment	complete	complete	
button is	Alatraca	Page	button is	button is	
functioning	Complain:	2. Click the	functioning	functioning	
	Toothache	complete		and shows a	
	Time: 09:00:00	button		window	

	Complete			which asks for remarks	
Test if the Save button is functioning which is used to end the appointment	Patient: Gabrielle Nikole Alatraca Remarks:	1.Enter remarks 2. Click save	The appointment will be marked as completed	The appointment is marked as completed	PASS

Post-condition: User can successfully end the appointments and update the dental records in the Appointments Page

Test Case #: 11

Test Case Scenario: Viewing of Appointment

Actor: Secretary

Pre-condition: User must be in View Appointment Page

Test Case	Test Data	Test Steps	Expected	Actual	Resul
			Output	Result	t
Check if user can view the appointmen t details	Mon Tue Wed 26 27 28 5 6 7 8a 1p	1. Click the date from the calendar to see the appointmen t details	User can view the appointmen t details	The appointment s are posted in the calendar	PASS

Post-condition: User can successfully view the appointment in the View Appointment Page

Test Case #: 12

Test Case Scenario: Set schedule of unavailability

Actor: Dentist

Pre-condition: User must be in Set Schedule Page

Test	Test Data	Test	Expected	Actual	Result
Case		Steps	Output	Result	

Check if		Monday	Dunder	Wednesday	Thomason	Diday	Patroday	1. Click	User can	User has set	PASS
user can	DAY/TIME	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	the date	set a	a schedule	
set a	8:00am-9:00am	8	×	×	×	8		in the	schedule	and blocks	
schedule	9:00am-10:00am 10:00am-		8		×	8	-	calendar	and blocks	the chosen	
	11:00am							2. Click	the chosen	time in the	
	12:00pm							the time	time in the	calendar	
	1:00pm-2:00pm 2:00pm-3:00pm		8		P 8	8	-			Calcilual	
	3:00pm-4:00pm	8	2	2	8	8		from the	calendar		
	4:00pm-5:00pm	0	0	0	0	0	0	checkbox			
								3. Click			
								the save			
								button			
Test if the	<u> </u>	0:00	am-	11:0	0am	_		1. Click	The	The	PASS
user can								the	checkbox is	checkbox is	
uncheck								checkbox	unchecked	unchecked	
								of the Set		_	
the								Schedule	and	and	
checkbox								2. Click	unblocks	unblocks	
of the Set									the chosen	the chosen	
Schedule								Save	time in the	time in the	
Schedule								button			
									calendar	calendar	

Post-condition: User can successfully set a schedule in the Set Schedule page

Test Case #: 13

Test Case Scenario: Add/Delete User Actor: Secretary Pre-condition: User must be in Manage Account Page

Test Case	Test Data	Test Steps	Expected	Actual	Result
		_	Output	Result	
Check if	Email:	1. Click Add	User can	The new	PASS
user can	alwynnicosantos@gmail.com	User button	add an	account is	
add a new	First Name: Alwyn Nico	2. Enter	account	added	
account	Middle Name: Agbunag	information			
	Last Name: Santos	in Email			
	Contact Number:	3. Enter			
	0917817007	information			
	Specialization: Orthodontic	in First Name			
		4. Enter			
		information			
		in Middle			
		Name			
		5. Enter			
		information			
		in Last Name			
		6. Enter			
		information			
		in Contact			
		Number			

		7. Enter information in Specialization 8. Click Add button			
Check if user can delete an account	Dentist Name: Dr. Alwyn Nico Santos	1. Click the Delete button	User can delete an account	The account is deleted	PASS

Post-condition: User can successfully add/delete account in Manage Account Page

Test Case #: 14

Test Case Scenario: Schedule Appointment

Actor: Patient

Pre-condition: User must be in Schedule Appointment Page

Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
Test if user	Dentist:	1: Click	Set appointment will	Set appointment	PASS
can	Arvin Dela	preferred	appear on the	is marked on the	
schedule an	Cruz	date and	calendar	calendar	
appointment		time			
	Complain:	2: Select			
	Dirty Teeth	Dentist from			
		dropdown			
	Start Time:	list			
	2018-03-06	3: Click			
	09:00:00	Save			
	End Time:				
	2018-03-06				
	10:00:00				
Test if the	none	1: Click	Close modal	Close modal	PASS
user can		Close			
close the					
modal					

Post-condition: Successfully set an appointment that is reflected in the calendar

Test Case #: 15

Test Case Scenario: Forget Password Actor: Patient, Dentist, Secretary

Pre-condition: User must be in Forget Password Page

Test Case	Test Data	Test Steps	Expecte d Output	Actual Result	Resul t
Check if email field will accept an email without @	Email: aa	1: Enter Email 2: Click Send	Error Message	Error Message	PAS S
Check if email field will accept an email that has not been registered	Email: rommeljoshua.jumawan.iics@ust.edu. ph	1: Enter Email 2: Click Send	Error Message	Error Message	PAS S
Check if verificati on code will accept a null value	Verification Code: (null)	1: Enter Verificati on Code 2. Click Send	Error Message	Error Message	PAS S
Check if verificati on code will accept an incorrect value.	Verification Code:3030	1: Enter Verificati on Code 2. Click Send	Error Message	Error Message	PAS S
Check if new password and confirm password will accept a null value	New Password: (null) Confirm Password: (null)	1: Enter New Password 2: Enter Confirm Password 3: Click Save	Error Message	Error Message	PAS S
Check if new password and confirm password will accept a value that is less	New Password: 1234567 Confirm Password: 1234567	1: Enter New Password 2: Enter Confirm Password 3: Click Save	Error Message	Error Message	PAS S

than 8					
characters			-		70.4.00
Check if new password and confirm password will accept a value that is more than 32 characters	New Password: 12345678901234567890 12345 Confirm Password: 12345678901234567890 12345	1: Enter New Password 2: Enter Confirm Password 3: Click Save	Error Message	Error Message	PAS S
Check if Password s are encrypted	Old Password: ******* New Password: ****** Confirm Password: *******	1: Enter Old Password 2: Enter New Password 3: Enter Confirm Password 4: Click Captcha 5: Click Save button	Passwor ds should have encrypte d	Passwor ds should have encrypte d	PAS S

Post-condition: The user has successfully changed his/her password.

Test Case #: 16
Test Case Scenario: Login
Actor: Patient, Dentist, Secretary
Pre-condition: Access www.ustdentease.com

Test Case ID	Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
TC1	Check if email or password will not accept a null value	Email: <null> Password: <null></null></null>	1: Enter email 2: Enter password 3: Click login button	An error message is displayed. "Please fill out this field."	Error Message	PASS
TC2	Check if password is encrypted	Email: alwynnico.santos.iics@ ust.edu.ph Password: Agbunag0915	1: Enter email 2: Enter password 3: Click login button	Password: *******	Password: *******	PASS

TC3	Check if	Email:	1: Enter	"The email	Error	PASS
	it will	alwynnico.santos.iics@	email	and	Message	
	accept if	ust.edu.ph	2: Enter	password	_	
	password	Password: admin123	password	you entered		
	is not		3: Click	did not		
	matched		login	match our		
	with		button	records.		
	email.			Please try		
				again.		
				"		

Post-condition: Access Patient Homepage, Dentist Homepage, Secretary Homepage.

Test Case #: 17
Test Case Scenario: Signup
Actor: Patient
Pre-condition: User must be in signup page

Test Case	Test Data	Test	Expected Output	Actual Result	Resul
Check if email, password, and confirm password will accept a null value.	Email: <null> Password: <null> Confirm Password: <null></null></null></null>	1: Click Next	An error message should be displayed. "Please fill out this field".	An error message should be displayed. "Please fill out this field".	PASS
Check if email will accept an input without @	Email: andreafaith.mate o. iics Password: Mercado98 Confirm Password: Mercado98	1: Enter email 2: Enter password 3: Enter confirm password	An error message should be displayed. "Please include an @ in the email address. andreafaith.mateo.ii cs is missing an '@'".	An error message should be displayed. "Please include an @ in the email address. andreafaith.mateo.ii cs is missing an '@'".	PASS
Check if email will accept an input without @ust.edu. ph	Email: andreafaith.mate o. iics@gmail.com Password: Mercado98 Confirm Password: Mercado98	1: Enter email 2: Enter password 3: Enter confirm password	An error message should be displayed." Invalid Email. Please enter your UST account."	An error message should be displayed." Invalid Email. Please enter your UST account."	PASS
Check if password and confirm password will accept an input	Email: andreafaith.mate o @ust.edu.ph Password:	1: Enter email 2: Enter password	An error message should be displayed." Password too short!"	An error message should be displayed." Password too short!"	PASS

with less than 7 characters	1234567 Confirm	3: Enter confirm password			
	Password: 1234567	1			
Check if password and confirm password will accept an input with more than 32 characters	Email: andreafaith.mate o @ust.edu.ph Password: 12345678901234 5 67890123456789 0 12345 Confirm Password: 12345678901234 5 67890123456789 0 12345	1: Enter email 2: Enter password 3: Enter confirm password	An error message should be displayed." Password too long!"	An error message should be displayed." Password too long!"	PASS
Check if password ≠ confirm password	Email: andreafaith.mate o. iics@gmail.com Password: Mercado98 Confirm Password: 12345678	1: Enter email 2: Enter password 3: Enter confirm password	An error message should be displayed." Passwords do not match!"	An error message should be displayed." Passwords do not match!"	PASS
Check if all fields will accept a null value	ID Number: <null> First Name: <null> Middle Name: <null> Last Name: <null> Birth Date: <null> Sex: <null> Contact number: <null> Address: <null> Guardian Name: <null></null></null></null></null></null></null></null></null></null>	1: Click Next	An error message should be displayed. "Please fill out this field".	An error message should be displayed. "Please fill out this field".	PASS
Check if ID Number will accept	ID Number: a First Name: Andrea	1: Enter ID Number	An error message should be displayed. "The ID number should be 10 digits"	An error message should be displayed.	PASS

alphabetical	Middle Name:	2: Enter		"The ID	
characters	Mercado	First		number should	
	Last Name:	Name		be 10 digits"	
	Mateo	3: Enter			
	Birthdate: 1998-	Middle			
	09-11	Name			
	Sex: Female	4: Enter			
	Contact Number:	Last			
	09954642753	Name			
	Address: 2421	5: Enter			
	Leon Guinto St. Guardian Name:	Birthdate 6: Click			
	Joan Mateo	Sex			
	Guardian's	7: Enter			
	Contact No:	Contact			
	09954642753	Number			
	Guardian's	8: Enter			
	Address: 2421	Address			
	Leon Guinto St.	9: Enter			
		Guardian'			
		s Name			
		10: Enter			
		Guardian's Contact			
		Number			
		11: Enter			
		Guardian'			
		s Address			
		12: Click			
		next			
Check if ID	ID Number: !	1: Enter	An error message	An error	PASS
No will	First Name:	ID	should be displayed.	message	
accept	Andrea	Number	"The ID number	should be	
special	Middle Name:	2: Enter	should be 10 digits."	displayed.	
characters	Mercado Last Name:	First Name		"The ID number should	
	Mateo	3: Enter			
	Birthdate: 1998-	Middle		be 10 digits"	
	09-11	Name			
	Sex: Female	4: Enter			
	Contact Number:	Last			
	09954642753	Name			
	Address: 2421	5: Enter			
	Leon Guinto St.	Birthdate			
	Guardian Name:	6: Click			
	Joan Mateo	Sex			
	Guardian's Contact No:	7: Enter Contact			
	09954642753	Number			
	Guardian's	8: Enter			
	Address: 2421	Address			
	Leon Guinto St.				
L	1	1	ı	ı	1

	I		T	1	
Check if First Name, Last Name, Middle Name, Guardian Name will accept numerical characters	ID Number: 2015081419 First Name: 12 Middle Name: 12 Last Name: 12 Birthdate: 1998- 09-11 Sex: Female Contact Number: 09954642753 Address: 2421 Leon Guinto St. Guardian Name: 12 Guardian's Contact No: 09954642753 Guardian's Address: 2421 Leon Guinto St.	9: Enter Guardian's Name 10: Enter Guardian's Contact Number 11: Enter Guardian's Address 12: Click next 1: Enter ID Number 2: Enter First Name 3: Enter Middle Name 4: Enter Last Name 5: Enter Birthdate 6: Click Sex 7: Enter Contact Number 8: Enter Contact Number 8: Enter Guardian's Name 10: Enter Guardian's Contact Number 11: Enter Guardian's Contact Number	An error message should be displayed. "Your name must contain only letters."	An error message should be displayed. "Your name must contain only letters."	PASS
Check if	ID Number:	12: Click next 1: Enter	An error message	An error	PASS
First Name, Last Name, Middle Name, Guardian Name will accept	2015081419 First Name: !! Middle Name: !! Last Name: !! Birthdate: 1998- 09-11 Sex: Female	ID Number 2: Enter First Name	should be displayed. "Your name must contain only letters."	message should be displayed. "Your name must contain only letters."	

special characters	Contact Number: 09954642753 Address: 2421 Leon Guinto St. Guardian Name: !! Guardian's Contact No: 09954642753 Guardian's Address: 2421 Leon Guinto St.	3: Enter Middle Name 4: Enter Last Name 5: Enter Birthdate 6: Click Sex 7: Enter Contact Number 8: Enter Address 9: Enter Guardian's Name 10: Enter Guardian's Contact Number 11: Enter Guardian'			
		s Address 12: Click			
Check if Contact Number and Guardian's Contact Number will accept alphabetical characters	ID Number: 2015081419 First Name: Andrea Middle Name: Mercado Last Name: Mateo Birthdate: 1998- 09-11 Sex: Female Contact Number: a Address: 2421 Leon Guinto St. Guardian: Joan Mateo Guardian's Contact No: a Guardian's Address: 2421 Leon Guinto St.	next 1: Enter ID Number 2: Enter First Name 3: Enter Middle Name 4: Enter Last Name 5: Enter Birthdate 6: Click Sex 7: Enter Contact Number 8: Enter Address 9: Enter Guardian's s Name 10: Enter Guardian'	An error message should be displayed. "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	An error message should be displayed. "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	PASS

		s Contact			
		Number			
		11: Enter			
		Guardian'			
		s Address			
		12: Click			
61 1 10	770.11	next			7.466
Check if Contact Number and Guardian's Contact Number will accept special characters	ID Number: 2015081419 First Name: Andrea Middle Name: Mercado Last Name: Mateo Birthdate: 1998- 09-11 Sex: Female Contact Number: @@ Address: 2421 Leon Guinto St. Guardian: Joan Mateo Guardian's Contact No: @@ Guardian's Address: 2421 Leon Guinto St.	1: Enter ID Number 2: Enter First Name 3: Enter Middle Name 4: Enter Last Name 5: Enter Birthdate 6: Click Sex 7: Enter Contact Number 8: Enter Address 9: Enter Guardian's s Name	An error message should be displayed. "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	An error message should be displayed. "The contact number should be 11 digits. e.g. 09xxxxxxxxxx"	PASS
	VD AV. 1	10: Enter Guardian's Contact Number 11: Enter Guardian's Address 12: Click next			D
Check if birth year goes beyond 2002 and Age exceeds below 12 years old (age automaticall y generates)	ID Number: 2015081419 First Name: Andrea Middle Name: Mercado Last Name: Mateo Birthdate: 2020- 09-11 Sex: Female Contact Number: 09954642753	1: Enter ID Number 2: Enter First Name 3: Enter Middle Name 4: Enter Last Name	An error message should be displayed. "Your birth year must be within the 1958-2006 only."	Save information entered	PASS

	Address: 2421 Leon Guinto St. Guardian: Joan Mateo Guardian's Contact No: 09954642753 Guardian's Address: 2421 Leon Guinto St.	5: Enter Birthdate 6: Click Sex 7: Enter Contact Number 8: Enter Address 9: Enter Guardian's Name 10: Enter Guardian's Contact Number 11: Enter Guardian's Address 12: Click next			
Check if Contact Number and Guardian's Contact Number will accept a value with less than 11 numerical characters	ID Number: 2015081419 First Name: Andrea Middle Name: Mercado Last Name: Mateo Birthdate: 1998- 09-11 Sex: Female Contact Number: 0995464275 Address: 2421 Leon Guinto St. Guardian: Joan Mateo Guardian's Contact No: 0995464275 Guardian's Address: 2421 Leon Guinto St.	1: Enter ID Number 2: Enter First Name 3: Enter Middle Name 4: Enter Last Name 5: Enter Birthdate 6: Click Sex 7: Enter Contact Number 8: Enter Address 9: Enter Guardian's Name 10: Enter Guardian's s Contact Number 11: Enter Guardian's s Address	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	PASS

		12: Click			
Check if Contact No, Guardian's Contact No will accept a value that does not start with 09	ID Number: 2015081419 First Name: Andrea Middle Name: Mercado Last Name: Mateo Birthdate: 1998- 09-11 Sex: Female Contact Number: 29954642753 Address: 2421 Leon Guinto St. Guardian: Joan Mateo Guardian's Contact No: 29954642753 Guardian's Address: 2421 Leon Guinto St.	1: Enter ID Number 2: Enter First Name 3: Enter Middle Name 4: Enter Last Name 5: Enter Birthdate 6: Click Sex 7: Enter Contact Number 8: Enter Address 9: Enter Guardian's Name 10: Enter Guardian's Contact Number 11: Enter Guardian's Address 12: Click next 1: Click	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxx"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxxxx"	PASS
surgical procedures and medications will accept a null value.	History: <null> Surgical Procedures: <null> Medications: <null></null></null></null>	Next	An error message should be displayed. "Please fill out this field".	message should be displayed. "Please fill out this field".	PASS
Check if verification code will accept a null value	Verification code: <null></null>	1: Enter verificatio n code 2: Click Register	An error message should be displayed. "Please fill out this field".	An error message should be displayed. "Please fill out this field".	PASS
Check if verification code will	Verification code: 123456	1: Enter verificatio n code	An error message should be displayed.	An error message should be displayed.	PASS

accept an	2: Click		
invalid code	Register		

Post-condition: Successfully create an account

Test Case #: 18 Test Case Scenario: Add/Delete User

Actor: Secretary
Pre-condition: User must be in Manage Account Page

Test Case	Test Data	Test Steps	Expected	Actual	Resul
C1 1 :C	P 1	1.5	Output	Result	t DAG
Check if	Email:	1. Enter a	Display an	Display an	PAS
First Name,	alwynnicosantos@gmail.	numerical	error	error	S
Middle	com	character in	message	message	
Name, Last	First Name: 123	First Name	"Your name	"Your name	
Name,	Middle Name: 123	text field	must contain	must contain	
Specializati	Last Name: 123	2. Enter a	only letters."	only letters."	
on will	Contact Number:	numerical			
accept	0917817007	character in			
numerical	Specialization: 123	text field			
characters		Middle			
		Name			
		3. Enter a			
		numerical			
		character in			
		Last Name			
		text field			
		text field			
		4. Enter a			
		numerical			
		character in			
		Specializati			
		on			
		5. Click			
		Add button			
Check if	Email:	1. Enter a	Display an	Display an	PAS
First Name,	alwynnicosantos@gmail.	special	error	error	S
Middle	com	character in	message	message	5
Name, Last	First Name: !!!	First Name	"Your name	"Your name	
Name,	Middle Name: !!!	text field	must contain	must contain	
Specializati	Last Name: !!!	2. Enter a			
on will	Contact Number:		only letters."	only letters."	
	0917817007	special character in			
accept					
special	Specialization: !!!	text field			
characters		Middle			
		Name			

Check if	Email:	3. Enter a special character in Last Name text field text field 4. Enter a special character in Specializati on 5. Click Add button 1. Enter an	Dianlay on	Diaglay on	DAC
Contact No will accept alphabetical characters	alwynnicosantos@gmail. com First Name: Alwyn Nico Middle Name: Agbunag Last Name: Santos Contact Number: abc Specialization: Orthodontic	alphabetic character in Contact No text field 2. Click Add button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxx x"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxx x"	PAS S
Check if Contact No will accept special characters	Email: alwynnicosantos@gmail. com First Name: Alwyn Nico Middle Name: Agbunag Last Name: Santos Contact Number: !!! Specialization: Orthodontic	1. Enter a special character in Contact No text field 2. Click Add button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxx x"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxx x"	PAS S
Check if Contact No text field will accept a value with less than 11 numerical characters	Email: alwynnicosantos@gmail. com First Name: Alwyn Nico Middle Name: Agbunag Last Name: Santos Contact Number: 091781700 Specialization: Orthodontic	1. Enter Contact No in text field 2. Click Add button	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxx x"	Display an error message "The contact number should be 11 digits. e.g. 09xxxxxxxx x"	PAS S
Check if Contact No will accept	Email: alwynnicosantos@gmail. com	1. Enter Contact No in text field	Display an error message	Display an error message	PAS S

a value that does not start with 09	First Name: Alwyn Nico Middle Name: Agbunag Last Name: Santos Contact Number: 2917817007 Specialization: Orthodontic	2. Click Add button	"The contact number should be 11 digits. e.g. 09xxxxxxxx x"	"The contact number should be 11 digits. e.g. 09xxxxxxx x"	
Check if Email, First Name, Middle Name, Last Name, Contact No, Specializati on text field will accept a null value	Email: () First Name: () Middle Name: () Last Name: () Contact Number: () Specialization: ()	1 Enter a null value in Email text field 2. Enter a null value in First Name text field 3. Enter a null value in Middle Name text field 4. Enter a null value in Last Name text field 5. Enter a null value in Contact Number text field 6. Enter a null value in Specializati on text field 7. Click Add button	Display an error message "Please fill out this field."	Display an error message "Please fill out this field."	PAS S

Post-condition: User can successfully add/delete account in Manage Account Page

Test Case #: 19
Test Case Scenario: Account Management
Actor: Patient
Pre-condition: User must be in Account Page

Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
Check if Old Password, New Password, and Confirm Password will accept a null value	Old Password: () New Password: () Improve the property of the	1. Enter Old Password 2. Enter New Password 3. Enter Confirm Password 4. Click Captcha 5. Click Save button	Display an error message "Please fill out this field."	Display an error message "Please fill out this field."	PASS
Check if password can be changed without clicking the captcha	Old Password: 012345678 New Password: 12345678 Confirm Password:	1. Enter Old Password 2. Enter New Password 3. Enter Confirm Password 2. Click Save button	Display an error message "Robot verification failed, please try again."	Display an error message "Robot verification failed, please try again."	PASS
Check if Old Password will accept an incorrect old password	Old Password: 123456789 New Password: 12345678 Confirm Password:	1. Enter Old Password 2. Enter New Password 3. Enter Confirm Password 4. Click Captcha 5. Click Save button	Display an error message "You entered the incorrect old password!"	Display an error message "You entered the incorrect old password!"	PASS
Check if New Password will accept an incorrect Confirm Password	Old Password: 012345678 New Password: 12345678 Confirm Password:	1. Enter Old Password 2. Enter New Password 3. Enter Confirm Password 4. Click Captcha 5. Click Save button	Display an error message "Passwords do not match!"	Display an error message "Passwords do not match!"	PASS
Check if New	Old Password: 012345678	1. Enter Old Password	Display an error	Display an error	PASS

Password, Confirm Password will accept a value with less than 8 characters	New Password: 1234567 Confirm Password:	2. Enter New Password 3. Enter Confirm Password 4. Click Captcha 5. Click Save button	message "Password too short!"	message "Password too short!"	
Check if New Password, Confirm Password will accept a value with more than 32 characters	Old Password: 012345678 New Password: 12345678901234 5678901234567890 12345 Confirm Password: 12345678901234 5678901234567890	1. Enter Old Password 2. Enter New Password 3. Enter Confirm Password 4. Click Captcha 5. Click Save button	Display an error message "Password too long!"	Display an error message "Password too long!"	PASS
Check if Passwords are encrypted	Old Password: ******* New Password: ******** Confirm Password: fm not a robot	1. Enter Old Password 2. Enter New Password 3. Enter Confirm Password 4. Click Captcha 5. Click Save button	Passwords should be encrypted	Passwords should be encrypted	PASS

Post-condition: User can successfully Change Password

Test Case #: 20
Test Case Scenario: Set an appointment
Actor: Patient
Pre-condition: User must be in Schedule Appointment Page

Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
Check if Complain text field will accept alphabetical characters	Select your dentist: Complain: Toothache Start Time: 2018-03- 06 09:00:00 End Time: 2018-03-06 10:00:00	1. Enter an alphabetical character in Complain text field 2. Click Save button	It will accept an alphabetical character and set an appointment	It accepts an alphabetical character and successfully redirects to the schedule appointment page where	PASS

				the appointment is posted in the calendar	
Check if Complain text field will accept numerical characters	Select your dentist: Complain: 123 Start Time: 2018-03- 06 09:00:00 End Time: 2018-03-06 10:00:00	1. Enter a numerical character in Complain text field 2. Click Save button	Display an error message "Must contain letters only."	Display an error message "Must contain letters only."	PASS
Check if Complain text field will accept special characters	Select your dentist: Complain: !!! Start Time: 2018-03- 06 09:00:00 End Time: 2018-03-06 10:00:00	1. Enter a special character in Complain text field 2. Click Save button	Display an error message "Must contain letters only."	It accepts a special character and successfully redirects to the schedule appointment page where the appointment is posted in the calendar	FAIL
Check if Complain text field will accept a null value	Select your dentist: Complain: () Start Time: 2018-03- 06 09:00:00 End Time: 2018-03-06 10:00:00	1. Enter a null value in Complain text field 2. Click Save button	Display an error message "Please fill out this field."	Display an error message "Please fill out this field."	PASS

Post-conditon: Successfully set an appointment.

Test Case #: 21
Test Case Scenario: Change appointment color
Actor: Secretary
Pre-condition: User must be in View Appointment Page

Test Case	Test Dat	a	Test Steps	Expected	Actual	Result
				Output	Result	
Check if	Dr. Reinerio Dris		1.Double-	Reschedul Dr. Reinerio Dris	Reschedul Dr. Reinerio Dris	PASS
user can			click	DI. Nelliello Diis		
change			appointment.			

appointment	2.Select		
color	finished		
	from drop		
	down list.		
	3.Click save		

Post-conditon: Successfully change color of appointment.

2. Integration Test Cases

Test Case #: 1

Test Case Scenario: Login and Forget Password

Actor: Patient, Dentist, Secretary

Pre-condition: Access www.ustdentease.com

Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
Check if	Old	1: Click	Access System	Access	PASS
valid	Password:	forgot	, and the second	Homepage	
password	Mercado98	password			
for account		link			
	New	2: Enter			
	Password:	Email			
	Testing08	3: Click			
		Send			
	Confirm	4: Check			
	Password:	email			
	Testing08	5: Enter			
		verification			
		code			
		6: Enter new			
		password			
		7: Confirm			
		password			
		8: Click			
		Save			
		9: Click			
		Login			
		10: Enter			
		Email			
		11: Enter			
		New			
		Password			
		12: Click			
		Login			

Post-condition: Access Patient Homepage, Dentist Homepage, Secretary Homepage. New Password is Accepted.

Test Case #: 2

Test Case Scenario: Login and Change Password

Actor: Patient, Dentist, Secretary

Pre-condition: User must be in Change Password Page

Test Case	Test Data	Test Steps	Expected Output	Actual Result	Result
Check if	Old	1: Enter Old	Access System	Access	PASS
valid	Password:	Password	, and the second	Homepage	
password	Mercado98	2: Enter			
for account		New			
	New	Password			
	Password:	3: Confirm			
	Testing08	New			
		Password			
	Confirm	4: Click I			
	Password:	am not a			
	Testing08	robot			
		5: Click			
		Save			
		6: Click			
		User Name			
		7: Click			
		Logout			
		8: Enter			
		Email			
		9: Enter			
		New			
		Password			

Post-condition: Access Patient Homepage, Dentist Homepage, Secretary Homepage. New Password is Accepted.

Test Case #: 3
Test Case Scenario: Login and Sign up
Actor: Patient

Pre-condition: Access www.ustdentease.com

Test	Test Data	Test Steps	Expecte	Actual	Resul
Case			d Output	Result	t
Check if	Email:	1: Click	Access	Access	PASS
valid	andreafaith.mateo.iics@ust.edu.p	Sign up link	System	Homepag	
usernam	<u>h</u>	2: Enter		e	
e and		Email			
password	Password: Mercado98	3: Enter			
1		Password			
		4: Confirm			
		Password			
		5: Click			
		Next			
		6: Enter ID			
		Number			
		7: Enter			
		First Name			
		8: Enter			
		Middle			
		Name			
		9: Enter			
		Last Name			

10.5
10: Enter
Birthdate
11: Choose
Sex
12: Enter
Contact
Number
13: Enter
Address
14: Enter
Guardian's
Name
15: Enter
Guardian's
Contact
Number
16: Enter
Guardian's
Address
17: Click
Next
18: Enter
Past
Medical
History
19: Enter
Surgical
Procedures
20: Enter
Medication
S
21: Click I
have read
and agreed
to the terms
and
conditions
22: Click
Submit
23: Check
email for
verification
code
24: Enter
verification
code
25: Click
Register
26: Click
Login
27: Enter
Email

	28: Enter password 29: Click Login
--	------------------------------------

Post-condition: Access Patient Homepage, New account accepted.

Test Case #: 4

Test Case Scenario: End appointment and schedule appointment

Actor: Dentist

Pre-condition: User must be in appointments page

Test Case	Test Data	Test Steps	Expected	Actual	Result
			Output	Result	
Check if	Complain: reschedule	1. Click the	User can set	The	PASS
user can	-	Appointment	an	scheduled	
reschedule		Page	appointment	appointment	
an		2. Click the		is posted in	
appointment		complete		the calendar	
11		button			
		3.click			
		reschedule			
		appointment			
		4.Click save			
		5. Click the			
		date with			
		preferred			
		time in the			
		calendar			
		6. Enter			
		information			
		in Complain			
		text field			
		7. Click			
		Save button			

Post-condition: Successfully reschedule appointment

Appendix

Patient Questionnaire

We are BS Information Technology Students from the Institute of Information and Computing Sciences- University of Santo Tomas. We are currently developing a system, DentEase, for the UST Health-Services Dental Care as part of our course requirement for Software Engineering (ICS 124). May we ask for a moment of your time to complete this survey to assess our project. Rest assured that all information gathered will be used for research purposes only.

Thank you and hoping for your cooperation!	
Name: (optional)	
Encircle the letter corresponding to your choice.	

1. Were you notified when you entered an incorrect username/password?	a. Yes b. No
2. After logging in, were you directed to an error page?	a. Yes b. No
3. Were you able to successfully change/reset your password after the security questions?	a. Yes b. No
4. Is the notification during the change your password phase useful?	a. Yes b. No
5. Were you able to choose your preferred date?	a. Yes b. No
6. Were you able to choose your preferred time?	a. Yes b. No
7. Is there a help function in the set appointment tab?	a. Yes b. No
8. Were you able to update your profile anytime?	a. Yes b. No
9. Were you able to check your profile anytime?	a. Yes b. No
	a. Yes

_

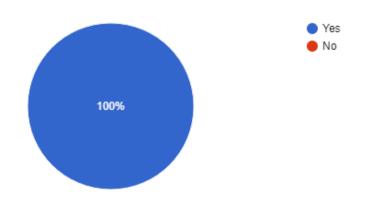
10. Were you able to save your updated medical history?	b. No
11. Is there an error message that informs you when you type an invalid information?	a. Yes b. No
12. Is there an error message that informs you what to do when you type an invalid information?	a. Yes b. No
13. Is there an error message that informs you if the schedule that you have set is already taken?	a. Yes b. No
14. Is there a notification which informs you which fields are required to be answered?	a. Yes b. No
15. Were you able to cancel your prior schedule anytime?	a. Yes b. No
16. Were you able to successfully login into our web application?	 a. YES, I was able to successfully login to my account with the right information in the homepage. b. YES, I was able to login but the information that was displayed was wrong. c. NO, I was not able to login.
17. Were you able to check your appointment details?	 a. YES, I was able to view my appointment details without any problem. b. YES, I was able to view my appointment details with minor problem. c. NO, I was not able to view my appointment details.
18. Did you experience any problem setting an appointment?	a. No problems at all.b. Just some minor problem.c. I cannot set an appointment at all.

19. Were you able to update your profile without any problems?	 a. YES, I didn't encounter any problem. b. YES, but there was minor problem. c. NO, I cannot save the update I made at all.
20. Did the button in the login page direct you to your profile?	 a. YES, the button directed me to my profile. b. YES, but the button directed me to a different page. c. NO, the button is not working.
21. Were you able to view your dental records without encountering any problems?	 a. YES, I didn't experience any problem. b. YES, but I encountered some minor problem. c. NO, I was not able to view my records at all.
22. Were the personal information you entered during the sign-up phase consistent to your profile?	 a. YES, all information is consistent. b. YES, but some of the information is not consistent. c. NO, all information is not consistent.
23. Is the font size inside the text field for the username visible enough?	 a. YES, it is visible enough. b. YES, but it needs an increase in size. c. YES, but it needs an increase in the size and opaqueness of the text. d. NO, it is not visible enough.
24. Were you satisfied that you were able to choose your preferred available date and time?	a. Very Satisfiedb. Satisfiedc. Unsatisfiedd. Very Unsatisfied
25. How satisfied are you with your appointment schedule experience?	a. Very Satisfiedb. Satisfiedc. Unsatisfiedd. Very Unsatisfied

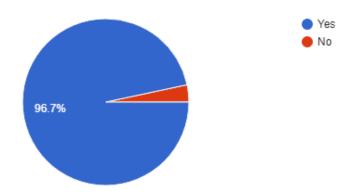
Tally of UAT for Patients

1. Were you able to successfully login into our system?

30 responses

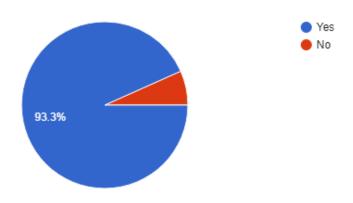


2. Were you notified when you entered an incorrect username/password?

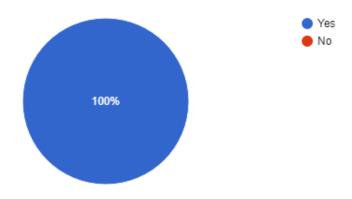


3. Were the personal information you entered during the sign-up phase consistent to your profile?

30 responses

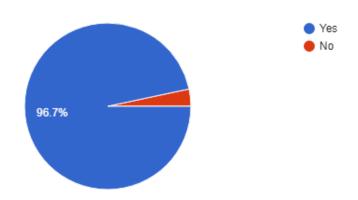


4. Were you able to update your profile anytime?

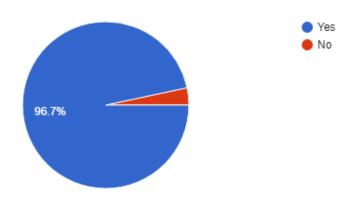


5. Were you able to update your profile without any problems?

30 responses

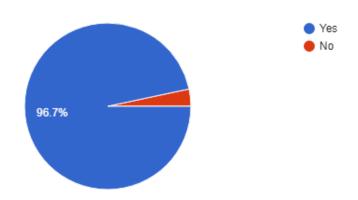


6. Were you able to upload your preferred profile photo?

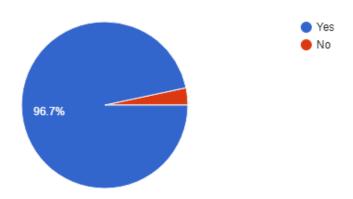


7. Were you able to save your updated medical history?

30 responses

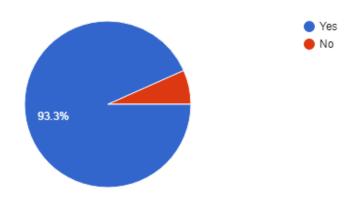


8. Were you able to see your dental records?

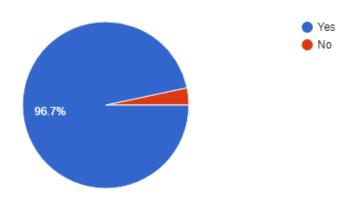


9. Were you able to see the schedule of the dentists?

30 responses

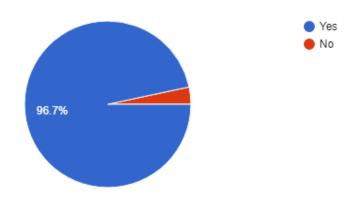


10. Were you able to select your preferred dentist?

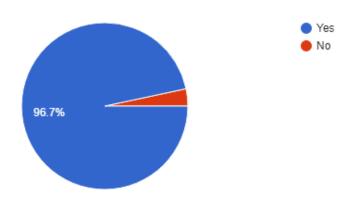


11. Were you able to see all available appointment slots?

30 responses

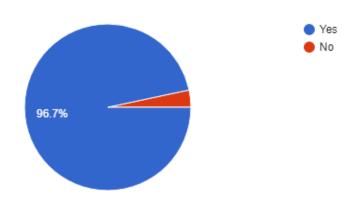


12. Were you able to choose your preferred date?

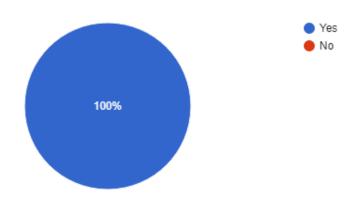


13. Were you able to choose your preferred time?

30 responses

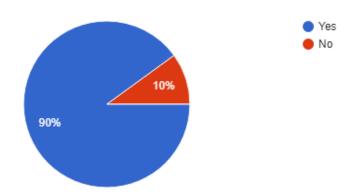


14. Were you able to check your appointment details?

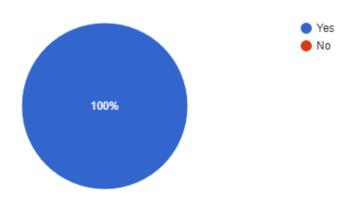


15. Were you able to download the parent consent form?

30 responses

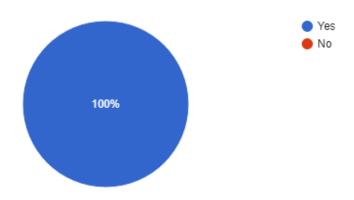


16. Were you able to see if your appointment is pending, confirmed or finished?

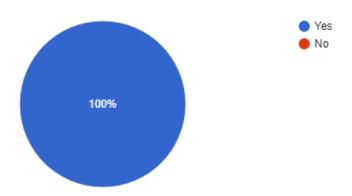


17. Were the verification codes sent to your email address without any problems?

30 responses

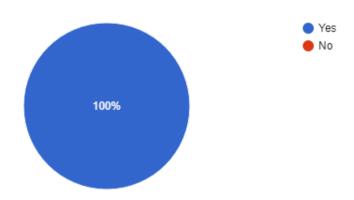


18. Were you able to successfully change your password after the captcha verification?

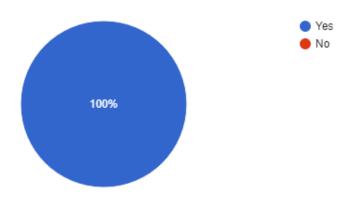


19. Is the notification that you've successfully changed your password useful?

30 responses

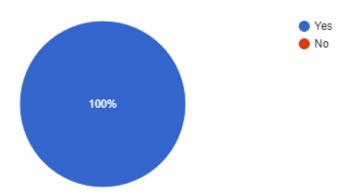


20. Was there a notification that notified you that you've typed the wrong password in the change your password tab?

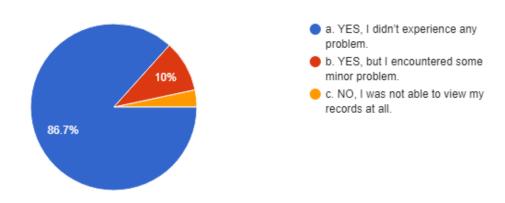


21. Is there a notification which informs you which fields are required to be answered?

30 responses

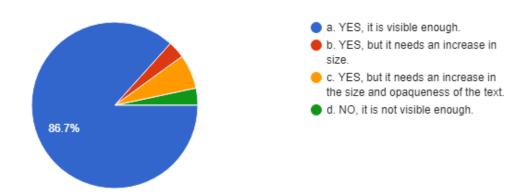


22. Were you able to view your dental records without encountering any problems?

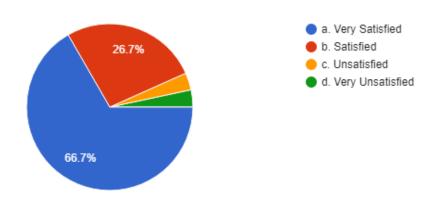


23. Is the font size inside the text field for the username visible enough?

30 responses

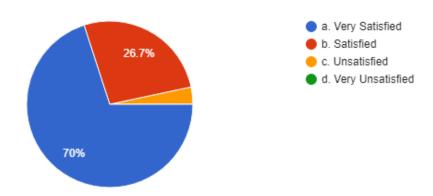


24. Were you satisfied that you were able to choose your preferred available date and time?



25. How satisfied are you with your appointment schedule experience?

30 responses



Dentist Questionnaire

We are BS Information Technology Students from the Institute of Information and Computing Sciences- University of Santo Tomas. We are currently developing a system, DentEase, for the UST Health-Services Dental Care as part of our course requirement for Software Engineering (ICS 124). May we ask for a moment of your time to complete this survey to assess our project. Rest assured that all information gathered will be used for research purposes only.

Thank you and hoping for your cooperation!

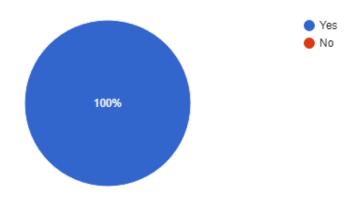
· · · · · · · · · · · · · · · · · · ·	
Name: (optional)	Position:
Encircle the letter corresponding to your choice.	
Were you able to successfully login into our system?	a. Yes b. No
2. Were you notified when you entered an incorrect username/password?	a. Yes b. No
3. Were you able to see your pending appointments for the week?	a. Yes b. No

4. Were you able to see the profile of your patient?	a. Yes b. No
5. Were you able to update the dental records of the patient after the appointment?	a. Yes b. No
6. Were you able to reschedule an appointment of your preferred patient?	a. Yes b. No
7. Were you able to choose your preferred date?	a. Yes b. No
8. Were you able to choose your preferred time?	a. Yes b. No
9. Were the records of your treated patients accurate?	a. Yes b. No
10. Is the search function working on the records tab?	a. Yes b. No
11. Were you able to check your profile?	a. Yes b. No
12. Were you able to upload your preferred profile photo?	a. Yes b. No
13. Were you able to update your profile?	a. Yes b. No
14. Were you able to set/edit your schedule?	a. Yes b. No
15. Were you able to successfully change your password after the captcha verification?	a. Yes b. No
16. Were you notified that your password has been changed?	a. Yes b. No

17. Is the font size inside the text field for the username visible enough?	a. YES, it is visible enough. b. YES, but it needs an increase in size. c. YES, but it needs an increase in the size and opaqueness of the text. d. NO, it is not visible enough.
18. How satisfied are you with the functionalities of our profile page?	a. Very Satisfied b. Satisfied c. Unsatisfied d. Very Unsatisfied
19. How satisfied are you when you were able to set your preferred available date and time in the rescheduling phase?	a. Very Satisfied b. Satisfied c. Unsatisfied d. Very Unsatisfied
20. How satisfied are you on the accuracy of the patient's dental records?	a. Very Satisfied b. Satisfied c. Unsatisfied d. Very Unsatisfied

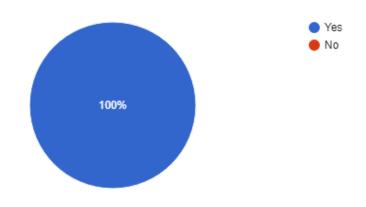
Tally of UAT for Dentists

2. Were you notified when you entered an incorrect username/password?

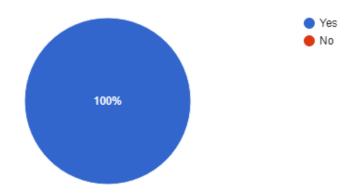


1. Were you able to successfully login into our system?

3 responses

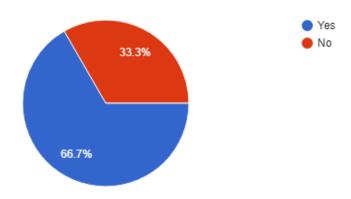


3. Were you able to see your pending appointments for the week?

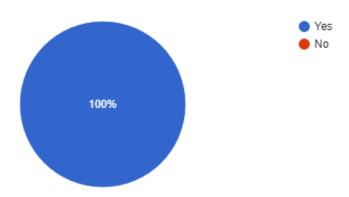


4. Were you able to see the profile of your patient?

3 responses

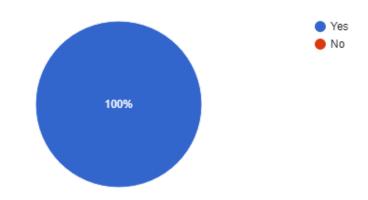


5. Were you able to update the dental records of the patient after the appointment?

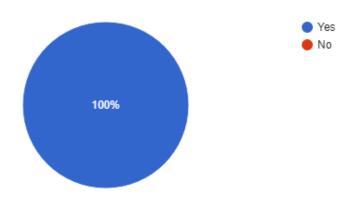


6. Were you able to reschedule an appointment of your preferred patient?

3 responses

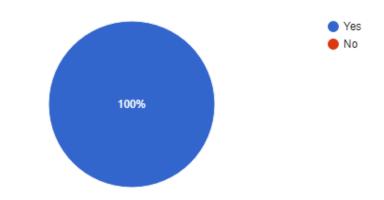


7. Were you able to choose your preferred date?

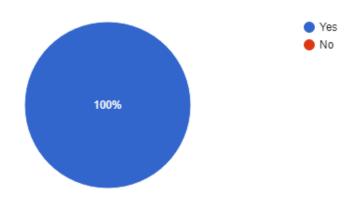


8. Were you able to choose your preferred time?

3 responses

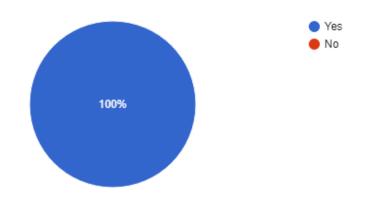


9. Were the records of your treated patients accurate?

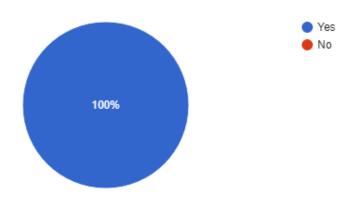


10. Is the search function working on the records tab?

3 responses

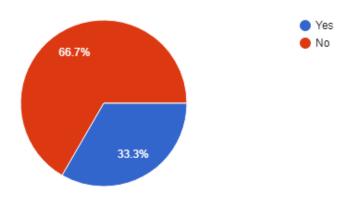


11. Were you able to check your profile?

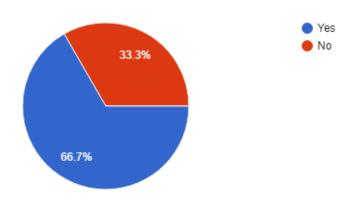


12. Were you able to upload your preferred profile photo?

3 responses

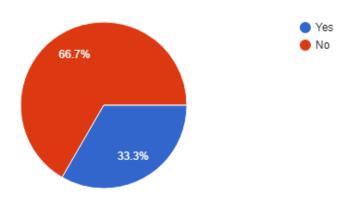


13. Were you able to update your profile?

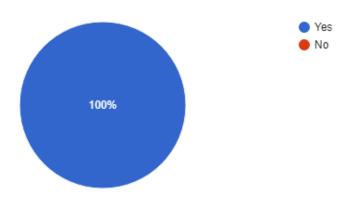


14. Were you able to set/edit your schedule?

3 responses

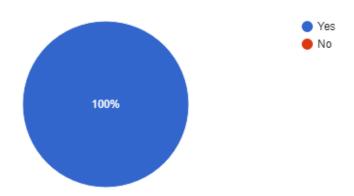


15. Were you able to successfully change your password after the captcha verification?

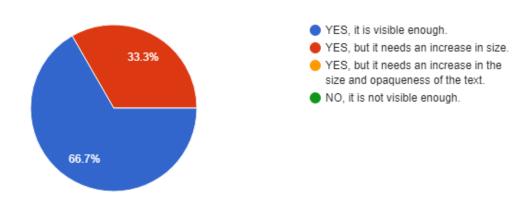


16. Were you notified that your password has been changed?

3 responses

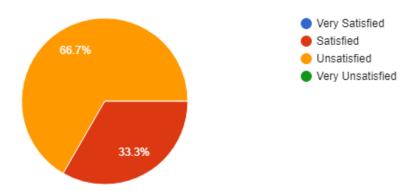


17. Is the font size inside the text field for the username visible enough?

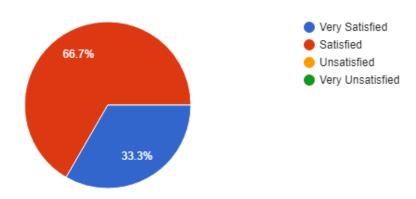


18. How satisfied are you with the functionalities of our profile page?

3 responses

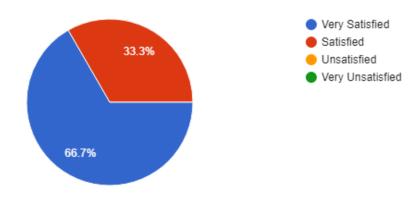


19. How satisfied are you when you were able to set your preferred available date and time in the rescheduling phase?



20. How satisfied are you on the accuracy of the patient's dental records?

3 responses



Secretary Questionnaire

We are BS Information Technology Students from the Institute of Information and Computing Sciences- University of Santo Tomas. We are currently developing a system, DentEase, for the UST Health-Services Dental Care as part of our course requirement for Software Engineering (ICS 124). May we ask for a moment of your time to complete this survey to assess our project. Rest assured that all information gathered will be used for research purposes only.

Thank you and noping for your cooperation!	
Name: (optional)	Position:
Encircle the letter corresponding to your choice.	
1. Were you able to successfully login into our system?	a. Yes b. No
2. Were you notified when you entered an incorrect username/password?	a. Yes b. No

a. Yes b. No

a. Yes

3. Were you able to view all appointments?

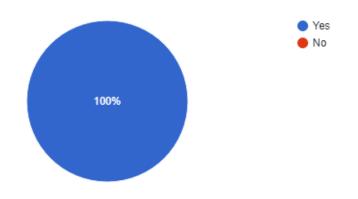
4. Were you able to edit an appointment?

	b. No
5. Were you able to delete an appointment?	a. Yes b. No
6. Were you able to reschedule an appointment?	a. Yes b. No
7. Were the records of treated patients accurate?	a. Yes b. No
8. Were the records of active and inactive dentists accurate?	a. Yes b. No
9. Is the search function working on the records tab?	a. Yes b. No
10. Were you able to add a dentist?	a. Yes b. No
11. Was there a confirmation tab before adding a dentist account?	a. Yes b. No
12. Was there a notification that verifies if you really want to delete a certain user?	a. Yes b. No
13. Were you able to delete a dentist account?	a. Yes b. No
14. Were you able to successfully change your password after the captcha verification?	a. Yes b. No
15. Were you notified that your password has been changed?	a. Yes b. No
16. Were you able to logout to the system using the logout tab?	a. Yes b. No
	a. YES, it is visible enough.

17. Is the font size inside the text field for the username visible enough?	b. YES, but it needs an increase in size. c. YES, but it needs an increase in the size and opaqueness of the text. d. NO, it is not visible enough.
18. How satisfied are you with the calendar's functionalities?	a. Very Satisfied b. Satisfied c. Unsatisfied d. Very Unsatisfied
19. How satisfied are you with the calendar's visual representation?	a. Very Satisfied b. Satisfied c. Unsatisfied d. Very Unsatisfied
20. How satisfied are you with the functionalities of our web application?	a. Very Satisfied b. Satisfied c. Unsatisfied d. Very Unsatisfied

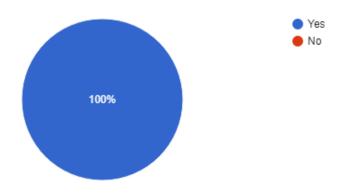
Tally of UAT for Secretary

1. Were you able to successfully login into our system?

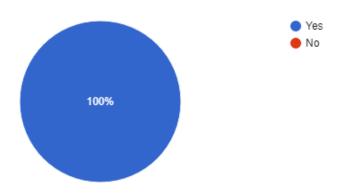


2. Were you notified when you entered an incorrect username/password?

1 response

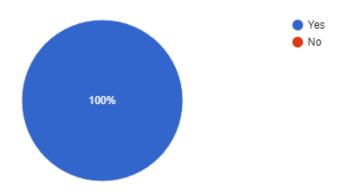


3. Were you able to view all appointments?

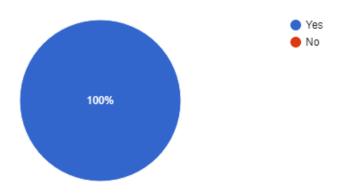


4. Were you able to edit an appointment?

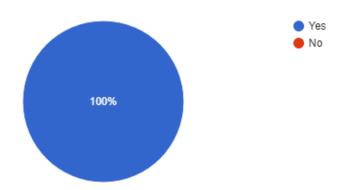
1 response



5. Were you able to delete an appointment?

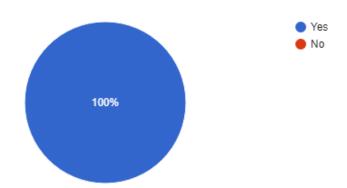


6. Were you able to reschedule an appointment?



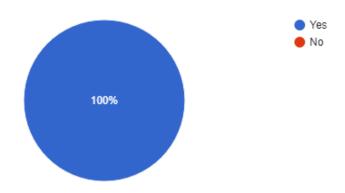
7. Were the records of treated patients accurate?

1 response

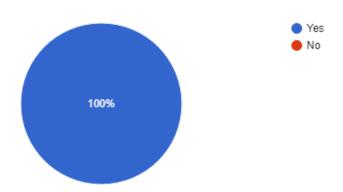


8. Were the records of active and inactive dentists accurate?

1 response

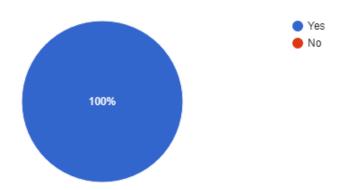


9. Is the search function working on the records tab?

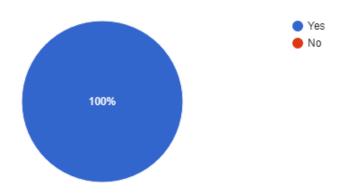


10. Were you able to add a dentist?

1 response

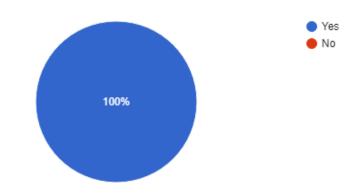


11. Was there a confirmation tab before adding a dentist account?

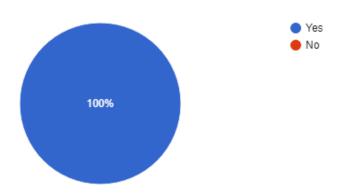


12. Was there a notification that verifies if you really want to delete a certain user?

1 response

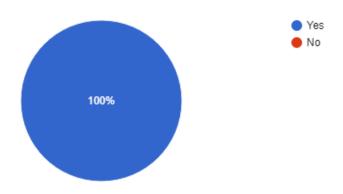


13. Were you able to delete a dentist account?

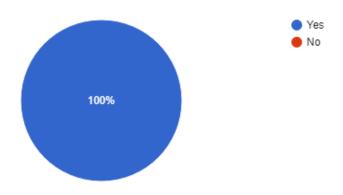


14. Were you able to successfully change your password after the captcha verification?

1 response

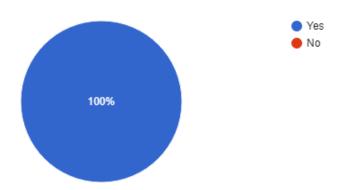


15. Were you notified that your password has been changed?



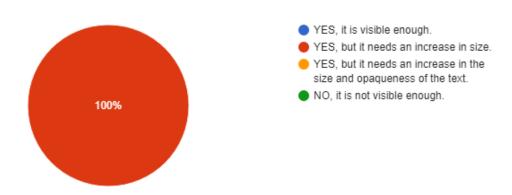
16. Were you able to logout to the system using the logout tab?

1 response

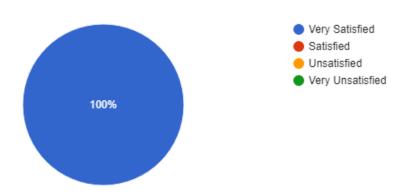


17. Is the font size inside the text field for the username visible enough?

1 response

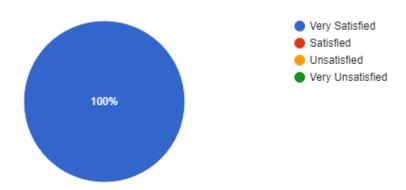


18. How satisfied are you with the calendar's functionalities?

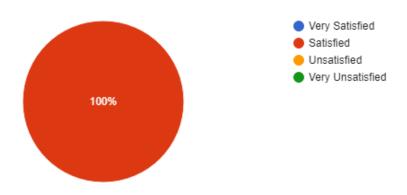


19. How satisfied are you with the calendar's visual representation?

1 response



20. How satisfied are you with the functionalities of our web application?



Function Point Analysis

				Step 1				
Information Dom	ain Value	Count		Simple	Average	Complex		
External Inputs		26	Х	3	4	6	=	104
External Outputs		4	X	4	5	7	=	20
External Inquiries		8	X	3	4	6		32
Internal Logic Files	3	1	X	7	10	15	=	10
External interface I	Files	0	X	6	7	10		0
			Î	125	166	247		
							Count-total =	166
			WW. 1 150 W	Step 2	1 - 30			
	rate each	factor (Fi, 1	to 14) on a	scale of 0 t	o 5			
F1. Does the syste	em require re	liable backı	in and recov	erv?				
F2. Are data com	the state of the s		ap and recov	Ci y :				
F3. Are there distr			ons?					
F4. Is performance		ooning runous	31101					
F5. Will the system		isting heavi	ly utilized on	erational e	nvironment	?		
F6. Does the syste		to the larger to the Property of the State o		oranomai o	Will Grill Profit	5/		
	the state of the s		And the State of t	ction to be l	built over m	ultiple scre	ens or operations?	
F8. Are the maste			input transa	cuon to be i	Julie Over III	anpic sere	cho or operations:	
F9. Are the inputs			s complex?					
F10. Is the interna			o complex:					
	F11. Is the code designed to be reusable?							
F12. Are conversion and installation included in the design?								
F13. Is the system designed for multiple installations in different organizations?						(
F14. Is the applica					The second section is a second section of the second section of			
			- mango un	_ 3000 01 0	, u	T-72		1
							sum of Fi =	45
F	untion Point	Metric =	count-total	* [.65+.01*	sum Fi]			0.000
		*	183	X-2				

Defect Removal Efficiency

Errors: 2

Defects: 6

2/(2+6)

2/8

DRE = 0.25

During the testing phase, we have found 2 errors that is residing in our system. After our system was implemented in the client's company, there were 6 defects that were addressed to us. The result of the computation of DRE is 0.25, which is close to 1. Our system has almost no defect.

Software Maturity Index

Number of modules in the current release (MT)	47
Number of modules in the current release that have been changed (Fc)	2
Number of modules in the current release that have been added (Fa)	5
Number of modules from the preceding release that were deleted in the current release (Fd)	0

SMI = [MT-(Fa+Fc+Fd)]/MT]

MT = 47

Fa = 5

Fc = 2

Fd = 0

SMI = [47-(5+2+0)]/47

SMI = 0.85

Based on our system, we have implemented in our client's company with 47 modules released. During the maintenance, we have changed 3 modules, 5 modules were added, and 1 module that was deleted. After computing for the Software Maturity Index, a result of 0.85 was generated. Our software begins to stabilize because its SMI value is nearing the 1-point margin.