

Project Name: CS213-Project3			
Test Case #	Requirement	Test description and Input data	Expected result/output
1	The program must display a proper error message if the user attempts to schedule an appointment with incomplete data fields.	This tests the "Schedule" tab. Attempts to schedule a new appointment with a valid date, timeslot, but every other field is blank/unselected. Inputs <ul style="list-style-type: none"> <li>• Date = "10/31/2025"</li> <li>• Timeslot = "9:00 AM"</li> </ul>	TextArea prints "Please choose the type of appointment."
2	The program must schedule a user's office appointment if the inputs are valid and the appointment does not exist. The program must also communicate to the user if their appointment was successfully booked.	This tests the "Schedule" tab. Schedules a doctor's appointment with valid date, timeslot, doctor, last & first name, & date of birth. The scheduler is initially empty. Inputs <ul style="list-style-type: none"> <li>• Date = "12/26/2024"</li> <li>• Timeslot = "9:00 AM"</li> <li>• Type = "Office"</li> <li>• Doctor = "[ANDREW PATEL 1/21/1989, BRIDGEWATER, Somerset 08807][FAMILY, #01]"</li> <li>• First Name = "Jane"</li> <li>• Last Name = "Doe"</li> <li>• Birth Date = "10/1/2024"</li> </ul>	TextArea prints "12/26/2024 9:00 AM Jane Doe 10/1/2024 [ANDREW PATEL 1/21/1989, BRIDGEWATER, Somerset 08807][FAMILY, #01] booked." and schedules the appointment.
3	The program must schedule a user's imaging appointment if the inputs are valid and the appointment does not exist. The program must also communicate to the user if their appointment was successfully booked.	This tests the "Schedule" tab. Schedules an imaging appointment with valid date, timeslot, radiology, last & first name, & date of birth. The scheduler is initially empty. Inputs <ul style="list-style-type: none"> <li>• Date = "12/26/2024"</li> <li>• Timeslot = "9:00 AM"</li> <li>• Type = "Imaging"</li> <li>• Radiology = "XRAY"</li> <li>• First Name = "Zack"</li> <li>• Last Name = "Doe"</li> <li>• Birth Date = "10/1/2024"</li> </ul>	TextArea prints "12/26/2024 9:00 AM Zack Doe 10/1/2024 [JENNY PATEL 8/9/1991, BRIDGEWATER, Somerset 08807][rate: \$125.00][XRAY] booked." and schedules the appointment.

4	The program must display a proper error message if the user attempts to cancel an appointment with incomplete data fields.	<p>This tests the "Cancel" tab. Attempts to cancel the doctor's appointment from test case #2, with correct timeslot, first &amp; last name &amp; date of birth, but every other field is blank/unselected. The doctor's appointment has already been scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Timeslot = "9:00 AM"</li> <li>• First Name = "Jane"</li> <li>• Last Name = "Doe"</li> <li>• Birth Date = "10/1/2024"</li> </ul>	TextArea prints "Please enter the date of your appointment."
5	The program must cancel a user's office appointment if the inputs match an existing appointment in the clinic. The program must also communicate to the user if their appointment was successfully canceled.	<p>This tests the "Cancel" tab. Cancels the doctor's appointment from test case #2, with correct date, timeslot, first &amp; last name &amp; date of birth. The doctor's appointment has already been scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Date = "12/26/2024"</li> <li>• Timeslot = "9:00 AM"</li> <li>• First Name = "Jane"</li> <li>• Last Name = "Doe"</li> <li>• Birth Date = "10/1/2024"</li> </ul>	TextArea prints "12/26/2024 9:00 AM Jane Doe 10/1/2024 - appointment has been canceled." and cancels the doctor's appointment.
6	The program must cancel a user's imaging appointment if the inputs match an existing appointment in the clinic. The program must also communicate to the user if their appointment was successfully canceled.	<p>This tests the "Cancel" tab. Cancels the imaging appointment from test case #3, with correct date, timeslot, first &amp; last name &amp; date of birth. The imaging appointment has already been scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Date = "12/26/2024"</li> <li>• Timeslot = "9:00 AM"</li> <li>• First Name = "Zack"</li> <li>• Last Name = "Doe"</li> <li>• Birth Date = "10/1/2024"</li> </ul>	TextArea prints "12/26/2024 9:00 AM Zack Doe 10/1/2024 - appointment has been canceled." and cancels the imaging appointment.
7	The program must not allow users to reschedule an office appointment to its same exact time slot. An error	<p>This tests the "Reschedule" tab. Attempts to reschedule the doctor's appointment from test case #2, with correct date, first &amp; last name, date of</p>	TextArea prints "Jane Doe 10/2024 has an existing appointment at 12/26/2024 9:00 AM."

	message must be printed.	<p>birth, but same old and new timeslot. The doctor's appointment has already been scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Date = "12/26/2024"</li> <li>• Old Timeslot = "9:00 AM"</li> <li>• New Timeslot = "9:00 AM"</li> <li>• First Name = "Jane"</li> <li>• Last Name = "Doe"</li> <li>• Birth Date = "10/1/2024"</li> </ul>	
8	The program must reschedule a user's office appointment if the inputs match an existing appointment in the clinic, and a different, new time slot is chosen. The program must also communicate to the user if their appointment was successfully rescheduled.	<p>This tests the "Reschedule" tab.</p> <p>Reschedules the doctor's appointment from test case #2, with correct date, first &amp; last name, date of birth, and different old and new timeslot. The doctor's appointment has already been scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Date = "12/26/2024"</li> <li>• Old Timeslot = "9:00 AM"</li> <li>• New Timeslot = "2:00 AM"</li> <li>• First Name = "Jane"</li> <li>• Last Name = "Doe"</li> <li>• Birth Date = "10/1/2024"</li> </ul>	<p>TextArea prints "Rescheduled to 12/26/2024 2:00 PM Jane Doe 10/1/2024 [ANDREW PATEL 1/21/1989, BRIDGEWATER, Somerset 08807][FAMILY, #01]" and reschedules the appointment.</p>
9	The program must not allow users to reschedule an imaging appointment. Only office appointments can be rescheduled. An error message must be printed.	<p>This tests the "Reschedule" tab.</p> <p>Reschedules the imaging appointment from test case #3, with correct date, first &amp; last name, date of birth, and different old and new timeslot. The imaging appointment has already been scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Date = "12/26/2024"</li> <li>• Old Timeslot = "9:00 AM"</li> <li>• New Timeslot = "2:00 PM"</li> <li>• First Name = "Zack"</li> </ul>	<p>TextArea prints "12/26/2024 9:00 AM Zack Doe 10/1/2024 does not exist."</p>

		<ul style="list-style-type: none"> <li>• Last Name = "Doe"</li> <li>• Birth Date = "10/1/2024"</li> </ul>	
10	The program must display a proper error message if the user attempts to disperse bills/credits without checking any of the radio buttons.	<p>This tests the "Funds" tab. Attempts to disperse funds (billing/credits), but all radio buttons are unchecked.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Patient Billing: Unchecked</li> <li>• Provider Credit: Unchecked</li> </ul>	TextArea prints "Please choose funds to disperse."
11	The program must display in the TableView, the bills for patients who have an existing appointment, when the user selects the appropriate radio button.	<p>This tests the "Funds" tab. Disperses the billing information for all patients with existing appointments. The appointments from test cases #2 &amp; #3 are already scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Patient Billing: Checked</li> <li>• Provider Credit: Unchecked</li> </ul>	Program displays all patients & their bills in the TableView. Jane Doe owes \$250 and Zack Doe owes \$125. Program also empties the list of appointments.
12	The program must display in the TableView, the credits for all providers, when the user selects the appropriate radio button.	<p>This tests the "Funds" tab. Disperses the credit information for all providers. The appointments from test cases #2 &amp; #3 are already scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Patient Billing: Unchecked</li> <li>• Provider Credit: Checked</li> </ul>	Program displays all providers & their credits in the TableView. "ANDREW PATEL" has \$250 and "JENNY PATEL" has \$125.
13	The program must display all existing appointments in the TableView in the selected sorting order, when the appropriate radio button is selected.	<p>This tests the "Appointments" tab. Prints all existing appointments in order by patient. The appointments from test cases #2 &amp; #3 are already scheduled.</p> <p>Inputs</p> <ul style="list-style-type: none"> <li>• Appointment Types: All</li> <li>• Sorting Order: Patient</li> </ul>	Program displays all appointments in the TableView. Jane Doe's appointment comes before Zack Doe's.
14	The program must display in the TableView, only	<p>This tests the "Appointments" tab. Prints all office appointments</p>	Program displays only Jane Doe's appointment to the TableView.

	office appointments in order by location, when the appropriate radio button is selected.	in order by location. The appointments from test cases #2 & #3 are already scheduled. Inputs <ul style="list-style-type: none"> <li>Appointment Types: Office</li> </ul>	
15	The program must display in the TableView, only imaging appointments in order by location, when the appropriate radio button is selected.	This tests the "Appointments" tab. Prints all imaging appointments in order by location. The appointments from test cases #2 & #3 are already scheduled. Inputs <ul style="list-style-type: none"> <li>Appointment Types: Imaging</li> </ul>	Program displays only Zack Doe's appointment to the TableView.