**Nithya Konduru, Dhyanashri Raman**

**Class Name:** ClinicManagerController

| **Test Case #** | **Requirement** | **Test Description and Input Data** | **Expected result/ output** |
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| 1 | Schedule an office appointment done in schedule/cancel tab. | **Test Description:**  Create a new appointment with an invalid date, valid timeslot and valid date of birth  **Input Data:**  Appointment Date: 10/30/2024  First Name: April  Last Name: March  Date of Birth: 12/3/1989  Timeslot: 11:00 AM  Provider: [JOHN HARPER 3/1/1981, Clark, Union 07066][FAMILY, #32] | **Error popup:**  Invalid Appointment Date  Appointment date: 10/30/2024 is today or a date before today. |
| 2 | Schedule an office appointment done in schedule/cancel tab. | **Test Description:**  Successfully book a new office appointment with a valid date, valid timeslot and valid date of birth  **Input Data:**  Appointment Date: 3/4/2025  First Name: John  Last Name: Doe  Date of Birth: 2/10/1993  Timeslot: 2:30 PM  Provider: [RACHAEL LIM 11/30/1975, Bridgewater, Somerset 08888][PEDIATRICIAN, #23] | **In Text Area:**  3/4/2025 2:30 PM John Doe 2/10/1993 [RACHAEL LIM 11/30/1975, Bridgewater, Somerset 08888][PEDIATRICIAN, #23] booked. |
| 3 | Schedule an office appointment done in schedule/cancel tab. | **Test Description:**  Scheduling an office appointment at the same time slot with the same provider as another appointment, but different patient information.  **Input Data:**  Appointment Date: 3/4/2025  First Name: Abby  Last Name: Miller  Date of Birth: 9/10/1991  Timeslot: 2:30 PM  Provider: [RACHAEL LIM 11/30/1975, Bridgewater, Somerset 08888][PEDIATRICIAN, #23 | **Error Popup:**  Timeslot Unavailable  [RACHAEL LIM 11/30/1975, Bridgewater, Somerset 08888][PEDIATRICIAN, #23] is not available at 2:30 PM. |
| 4 | Schedule an office appointment done in schedule/cancel tab. | **Test Description:**  Scheduling an office appointment at the same time slot with the same provider as an existing appointment, and same patient information.  **Input Data:**  Appointment Date: 3/4/2025  First Name: John  Last Name: Doe  Date of Birth: 2/10/1993  Timeslot: 2:30 PM  Provider: [RACHAEL LIM 11/30/1975, Bridgewater, Somerset 08888][PEDIATRICIAN, #23] | **Error Popup:**  Duplicate Appointment  John Doe 2/10/1993 has an existing appointment at the same time. |
| 5 | Schedule an office appointment done in schedule/cancel tab. | **Test Description:**  Scheduling an office appointment with a new patient and their DOB in the future.  **Input Data:**  Appointment Date: 1/21/2025  First Name: Sam  Last Name: Smith  Date of Birth: 3/16/2026  Timeslot: 3:00 PM  Provider: [TOM KAUR 11/5/1972, PRINCETON, Mercer 08542][ALLERGIST, #54] | **Error Popup:**  Invalid Date  Patient DOB 3/16/2026 is today or a future date. |
| 6 | Schedule an imaging appointment done in schedule/cancel tab | **Test Description:**  Scheduling an imaging service appointment with all valid fields except last name which will be left blank.  **Input Data:**  Appointment Date: 12/31/2024  First Name: Rachel  Last Name: \*left empty\*  Date of Birth: 5/7/1999  Timeslot: 10:30 AM  Room: ULTRASOUND | **Error Popup:**  Missing Information  Please fill out the following fields:   * Patient Details |
| 7 | Schedule an imaging appointment done in schedule/cancel tab | **Test Description:**  Successfully schedules an imaging service appointment with all valid fields being appointment date, patient details (first name, last name and date of birth), timeslot, and radiology room.  **Input Data:**  Appointment Date: 12/31/2024  First Name: Rachel  Last Name: Kim  Date of Birth: 5/7/1999  Timeslot: 11:00 AM  Room: CATSCAN | **In Text Area:**  12/31/2024 11:00 AM Rachel Kim 5/7/1999 with [JENNY PATEL 8/9/1991, Bridgewater, Somerset 08888][rate: $125] in CATSCAN booked. |
| 8 | Schedule an imaging appointment done in schedule/cancel tab | **Test Description:**  Scheduling an imaging service appointment with all valid fields being appointment date, patient details (first name, last name and date of birth), timeslot, and radiology room assuming two other appointments exist that have the same date (2/3/2025), timeslot (10:00 AM) and room (ULTRASOUND) (this was not done in previous test cases).  **Input Data:**  Appointment Date: 2/3/2025  First Name: Duke  Last Name: Ellington  Date of Birth: 1/20/2003  Timeslot: 10:00 AM  Room: ULTRASOUND | **Error Popup:**  No Technician Available  No available technician for ULTRASOUND at 10:00 AM. |
| 9 | Schedule an imaging appointment done in schedule/cancel tab | **Test Description:**  Scheduling an conflicting imaging service appointment with all valid fields being appointment date, patient details (first name, last name and date of birth), timeslot, and radiology room where that information matches an existing appointment.  **Input Data:**  Appointment Date: 12/31/2024  First Name: Rachel  Last Name: Kim  Date of Birth: 5/7/1999  Timeslot: 11:00 AM  Room: CATSCAN | **Error Popup:**  Duplicate Appointment  Rachel Kim 5/7/1999 has an existing appointment at the same time. |
| 10 | Reschedule an office appointment done in reschedule tab | **Test Description:**  Reschedules an office appointment that does not exist  **Input Data:**  Appointment Date: 3/4/2025  First Name: John  Last Name: Doe  Date of Birth: 2/10/1993  Timeslot: 2:30 PM  New Timeslot: 4:00 PM | **In Text Area:**  3/4/2025 4:00 John Doe 2/10/1993 does not exist. |
| 11 | Reschedule an office appointment done in reschedule tab | **Test Description:**  Reschedules an office appointment that exists.  **Input Data:**  Appointment Date: 3/4/2025  First Name: John  Last Name: Doe  Date of Birth: 2/10/1993  Old Timeslot: 2:30 PM  New Timeslot: 3:30 PM | **In Text Area:**  Rescheduled to 3/4/2025 3:30 PM John Doe 2/10/1993 [RACHAEL LIM 11/30/1975, Bridgewater, Somerset 08888][PEDIATRICIAN, #23] |
| 12 | Cancel an office appointment done in schedule/cancel tab | **Test Description:**  Successfully canceling an office appointment that already exists.  **Input Data:**  Appointment Date: 3/4/2025  First Name: John  Last Name: Doe  Date of Birth: 2/10/1993  Timeslot: 4:00 PM | **In Text Area:**  3/4/2025 4:00 PM John Doe 2/10/1993 - appointment has been canceled. |
| 13 | Reschedule an imaging appointment in reschedule tab. | **Test Description:**  Rescheduling an imaging appointment successfully where appointment date, old time slot, new time slot, and patient details are all filled out correctly.  **Input Data:**  Appointment Date: 12/31/2024  First Name: Rachel  Last Name: Kim  Date of Birth: 5/7/1999  Timeslot: 11:00 AM | **In Text Area:**  Rescheduled to 12/31/2024 2:00 PM Rachel Kim 5/7/1999 [JENNY PATEL 8/9/1991, Bridgewater, Somerset 08888][rate: $125] |
| 14 | Cancel an office appointment in schedule/cancel tab. | **Test Description:**  Canceling an office appointment that does not exist.  **Input Data:**  Appointment Date: 3/4/2025  First Name: John  Last Name: Doe  Date of Birth: 2/10/1993  Timeslot: 4:00 PM | **In Text Area:**  3/4/2025 2:30 PM John Doe 2/10/1993 - appointment does not exist. |
| 15 | Cancel an imaging appointment in schedule/cancel tab. | **Test Description:**  Successfully canceling an imaging appointment that already exists.  **Input Data:**  Appointment Date: 12/31/2024  First Name: Rachel  Last Name: Kim  Date of Birth: 5/7/1999  Timeslot: 11:00 AM | **In Text Area:**  12/31/2024 11:00 AM Rachel Kim 5/7/1999 - appointment has been canceled. |