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| **Date Class: isValid method** | | | |
| **Test Case #** | **Requirement** | **Test Description and Input Data** | **Expected Result/Output** |
| 1 | Method does not accept dates before today’s date | * Create Date object with day, month, and year < today * Input: “1/1/2000” | false |
| 2 | Number of days in February for a non-leap year will be 28 | * Create Date object with month = 2 and day >28 and year is a non-leap year * Input: “2/29/2025” | false |
| 3 | Valid range for month will not exceed 12 | * Create Date object with valid day and year but month > 12 * Input: “13/1/2022” | false |
| 4 | Number of days in April will not exceed 30 | * Create Date object with month = 4, day >30 and year is valid * Input: “4/31/2022” | false |
| 5 | Number of days in January will be 31 | * Create Date object with month = 1, day >31 and year is valid * Input: “1/31/2023” | true |

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| **Project:** | Vaccination Project |
| **Created By:** | Vineel Reddy, Alexander Zhao |

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| **Timeslot Class: compareTo method** | | | |
| **Test Case #** | **Requirement** | **Test Description and Input Data** | **Expected Result/Output** |
| 1 | Method compares days between timeslots | * Create two Timeslot objects with same parameters except day of the month * Input: “9:00 2/2/2023 9:00 2/3/2023” | -1 |
| 2 | Compares hours between timeslots | * Create two Timeslot objects with same parameters except hour * Input: “10:00 2/2/2023 9:00 2/2/2023” | 1 |
| 3 | Compares months between timeslots | * Create two Timeslot objects with same parameters except month of the year * Input: “9:00 1/2/2023 9:00 2/3/2023” | -1 |
| 4 | Compares years between timeslots | * Create two Timeslot objects with same parameters except year * Input: “9:00 2/2/2024 9:00 2/3/2023” | 1 |
| 5 | Compares minutes between timeslots | * Create two Timeslot objects with same parameters except day of the month * Input: “9:30 2/2/2023 9:00 2/3/2023” | 1 |
| 6 | Compares equal timeslot objects | * Create two Timeslot objects with same parameters except day of the month * Input: “9:00 2/2/2023 9:00 2/2/2023” | 0 |