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| class name: Event  method signature: public Boolean equals(Object obj) {} | |  |  |  |
| Test Case # | Requirement | | Test description and Input Date | Expected result/output |
| 1 | The method shall return true for any two events that are equal | | * Create two Event objects with equal dates, timeslot, locations, and durations * Test data “11/29/2023, Evening, HLL114, CS, 90 minutes” and “11/29/2023, Evening, HLL114, CS, 90 minutes” | true |
| 2 | The method shall return false for two events where the dates are not equal | | * Create two Event objects where the dates are not equal, but all other objects are * Test data “2/17/2024, Evening, HLL114, CS, 90 minutes” and “11/29/2023, Evening, HLL114, CS, 90 minutes” | false |
| 3 | The method shall return false for two events where the time is not equals | | * Create two Event objects where the times are not equal, but all other objects are * Test data “11/29/2023, Morning, HLL114, CS, 90 minutes” and “11/29/2023, Evening, HLL114, CS, 90 minutes” |  |
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| class name: Event  method signature: public Boolean isValid() {} |  |  |  |
| Test Case # | Requirement | Test description and Input Date | Expected result/output |
| 1 | The method shall return true when the Date has proper number of days and the month is correct | * Create Date object where the day and month are correct * Test data: “2/29/2024” | true |
| 2 | The method shall return false when the Date has an incorrect month | * Create Date object where the month is incorrect, but the day is correct * Test data: “13/18/2023” | false |
| 3 | The method shall return false when the Date has an incorrect day in February for a non-leap year | * Create Date object where the day is incorrect, but the month is correct in a non-leap year * Test data: “2/29/2023” | false |