**Service : msbDateTimeService (for date and time issues)**

View format date : 02.02.2020 (dd.mm.yyyy)

JSON format date : Tue Feb 04 2020 06:00:00 GMT+0600 (Bangladesh Standard Time)

System format date : 2020-02-02 (yyyy-mm-dd)

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| --- | --- | --- | --- |
| Function Name | Perpose | Inputs | Outputs |
| formatDateValue | To change the format of date after another date operation. | addDays("02.02.2020", 2), “yyyy.MM.dd” | 2020.02.04 |
| convertToDateTime | \*confused | "02.02.2020",  true,  true | Tue Sep 10 1907 00:00:00 GMT+0553 (Bangladesh Standard Time) |
| convertToDate | Convert view date into json format date. | "02.02.2020" | Sun Feb 02 2020 00:00:00 GMT+0600 (Bangladesh Standard Time) |
| isDateObj | \*confused |  | Error: getTime()  function not found |
| addDays | To add days. It take view format date and return json format date. | "02.02.2020",  2 | Tue Feb 04 2020 06:00:00 GMT+0600 (Bangladesh Standard Time) |
| dateSorter | If first date is after second date then output is positive and vice versa. | "17.02.2020", "02.02.2020" | 1296000000 |
| dateDifferenceFormated | Calculate difference between two dates. | "17.02.2020", "02.02.2020",  true  "17.02.2020", "02.02.2020",  false | -15  15 |
| convertToSysDate | Convert date into system format. | "02.02.2020" | "2020-02-02" |
| monthDifference | \*confused |  | Error: getFullYear(), getMonth()  functions not found |
| checkOverlap |  |  |  |
| isLeapYear | Check leap year or not | 2020 | true |
| daysInMonth | Calculate number of days in month | 2020,  1 | 29 |
| isValidDate | Check validity of date. | "02.02.2020" | true |
| isBetween | If the date is between start and end dates. |  |  |
| createBoardWeek | Create a board week using start and end date. |  |  |
| getAppModeCurrentDate |  | "02.02.2020" | Sun Feb 02 2020 00:00:00 GMT+0600 (Bangladesh Standard Time) |
| getDateOfToday | Todays date in view format |  | "20.05.2020" |