1. Historical – maven java project in accordance to HomeExercise.
2. To install – unzip and import as existing maven project.
3. It has a only one API [http://localhost:8080/api/points/{start}/{end}](http://localhost:8080/api/points/%7bstart%7d/%7bend%7d)

Start, end format: – day.month

Example: <http://localhost:8080/api/points/01.01/01.03>

I mean in accordance to input date, json array is sorted by (start, end)

Input: json array:

[

    {"shipment":"A",

      "vessel":1,

      "sourcePort" : "NY",

      "destinationPort" : "ANWERP",

      "start": {

          "day":1,

          "month":1

      },

      "end": {

          "day":14,

          "month":1

      }

    },

    {"shipment":"A",

      "vessel":2,

      "sourcePort" : "ANWERP",

      "destinationPort" : "HAIFA",

      "start": {

          "day":14,

          "month":1

      },

      "end": {

          "day":20,

          "month":1

      }

    },

     {"shipment":"B",

      "vessel":2,

      "sourcePort" : "ANWERP",

      "destinationPort" : "HAIFA",

      "start": {

          "day":14,

          "month":1

      },

      "end": {

          "day":20,

          "month":1

      }

    },

     {"shipment":"B",

      "vessel":3,

      "sourcePort" : "HAIFA",

      "destinationPort" : "ASHDOD",

      "start": {

          "day":20,

          "month":1

      },

      "end": {

          "day":21,

          "month":1

      }

    },

     {"shipment":"C",

      "vessel":2,

      "sourcePort" : "HAIFA",

      "destinationPort" : "ANTWERP",

      "start": {

          "day":20,

          "month":1

      },

      "end": {

          "day":26,

          "month":1

      }

    },

    {"shipment":"D",

      "vessel":3,

      "sourcePort" : "ASHDOD",

      "destinationPort" : "COBE",

      "start": {

          "day":24,

          "month":1

      },

      "end": {

          "day":10,

          "month":2

      }

    }

]

Output: json array

[

    {

        "vessel": 1,

        "start": {

            "day": 1,

            "month": 1

        },

        "end": {

            "day": 14,

            "month": 1

        }

    },

    {

        "vessel": 2,

        "start": {

            "day": 14,

            "month": 1

        },

        "end": {

            "day": 26,

            "month": 1

        }

    },

    {

        "vessel": 3,

        "start": {

            "day": 20,

            "month": 1

        },

        "end": {

            "day": 21,

            "month": 1

        }

    },

    {

        "vessel": 3,

        "start": {

            "day": 24,

            "month": 1

        },

        "end": {

            "day": 10,

            "month": 2

        }

    }

]

Complicity N + N\*lnN (sorting of output array)