

FRONT-END DEVELOPER ASSIGNMENT

REACT JS

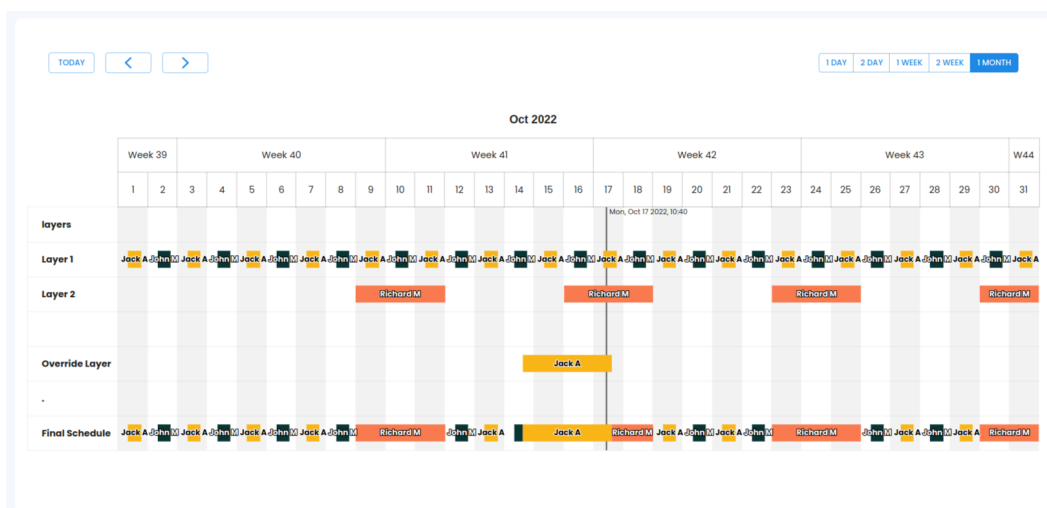
TIMELINE CHART

You should build a timeline chart as shown in the figure using React(v18), node (v20) and Material UI. You can use any chart library for the timeline chart.

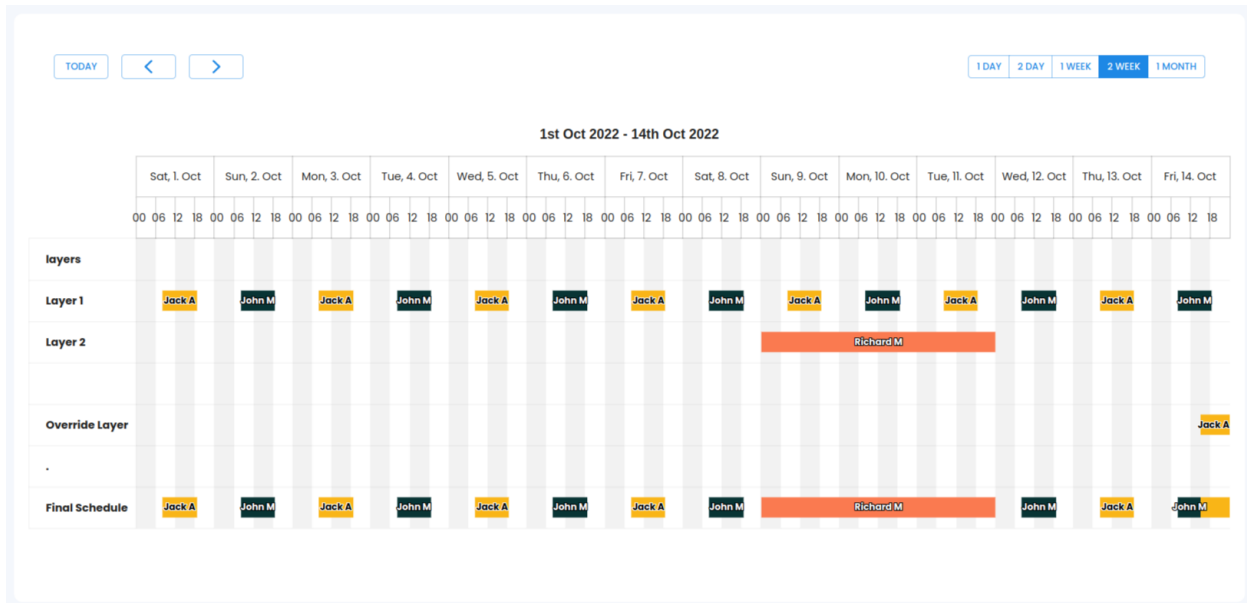
Timeline should have

1. **Month** view, **2-week** view, **1-week** view, **2-day** view, **1-day** view
2. When **Today** button clicked
 - a. If the current filter is **Month**, then show the **current month view**
 - b. If the current filter is **Week**, then show the **current week view**
 - c. If the current filter is **Day**, then show the **current day view**
3. **Next** and **Previous** Button
4. Each user entry should be shown in **different colors**.
5. The chart should be **mobile-responsive**.
6. The data for the chart is given in the data.json file.
7. You must use the Material UI library for designing.

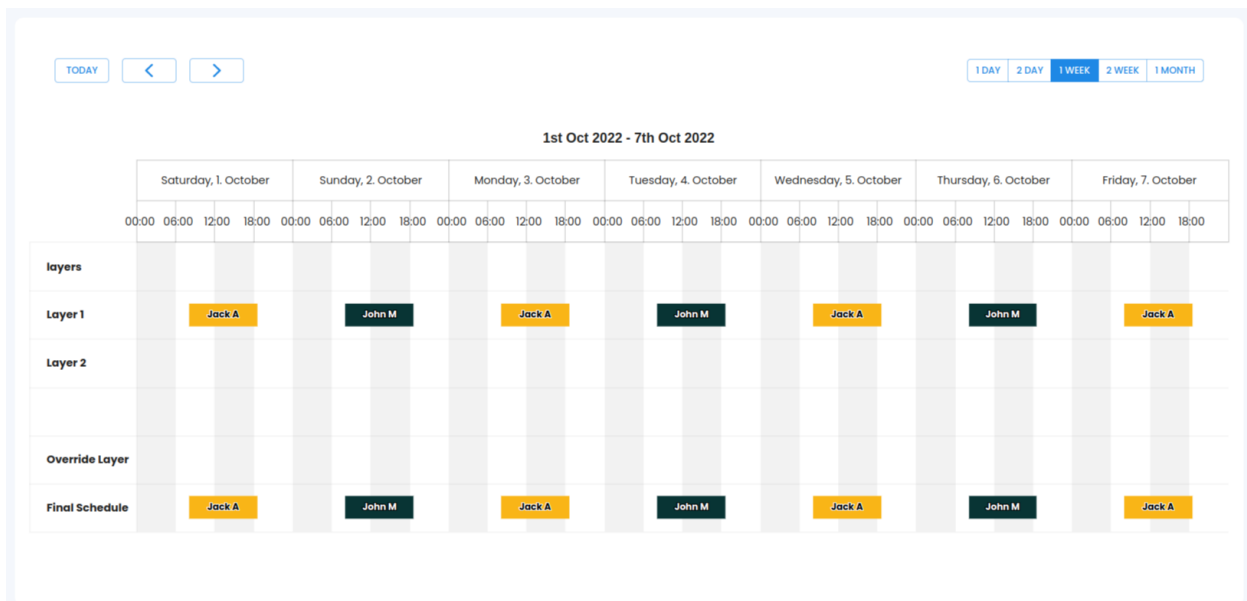
Month View



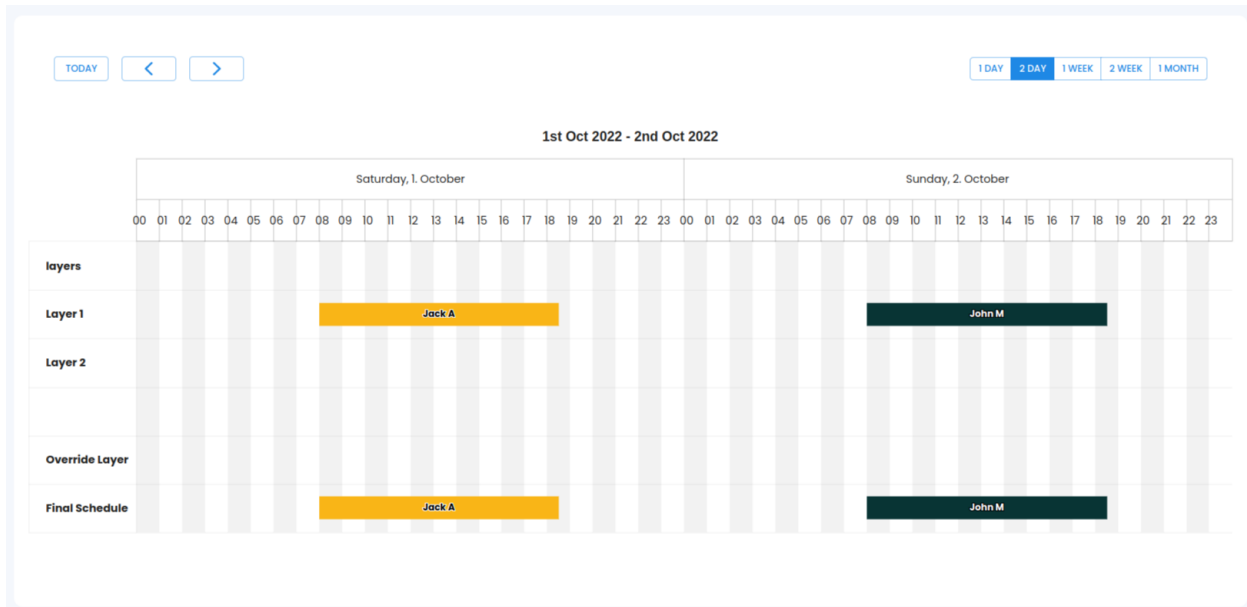
2 Week View



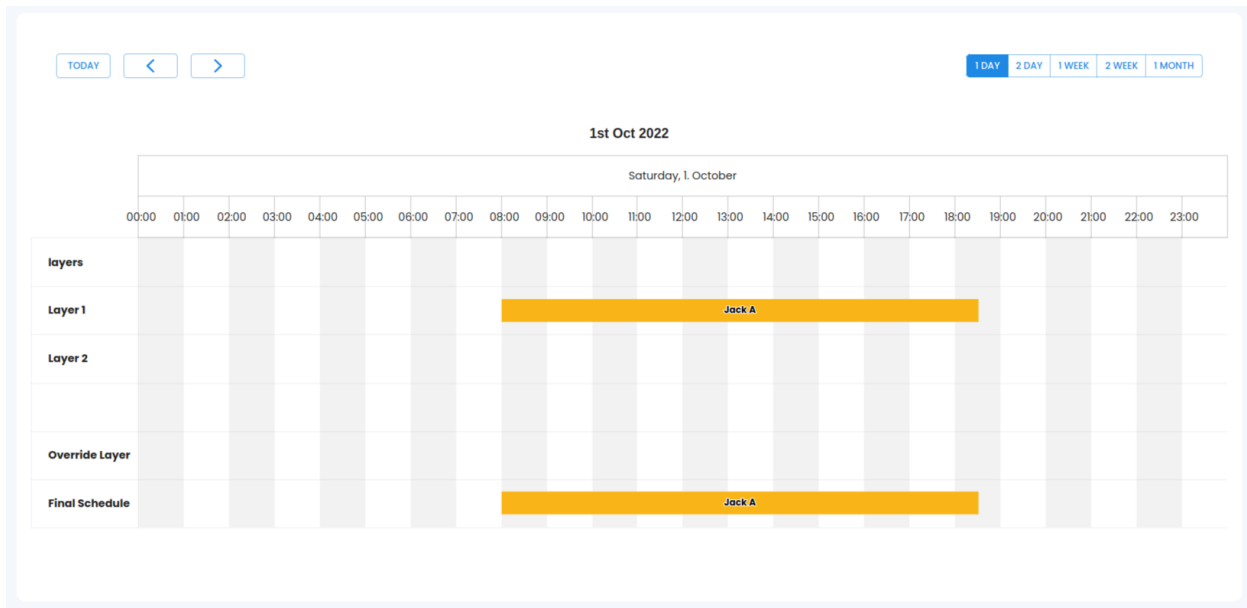
1 Week View



2 Day View



1 Day View



Empty View

Display each layer as empty if no data is there for currently selected date

range

TODAY<>

1 DAY2 DAY1 WEEK2 WEEK1 MONTH

Jul 2022

| | Week 26 | | | Week 27 | | | | | | | Week 28 | | | | | | | Week 29 | | | | | | | Week 30 | | | | | | |
|----------------|---------|---|---|---------|---|---|---|---|---|----|---------|----|----|----|----|----|----|---------|----|----|----|----|----|----|---------|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Layer 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Layer 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Override Layer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |