

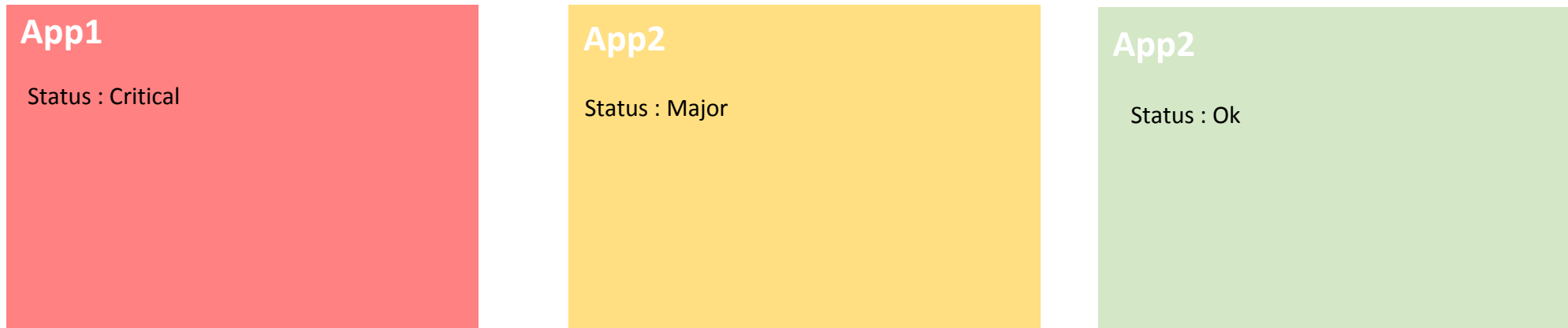
# DevOps Dashboard Exercise

# DevOps Dashboard Exercise

- Build Angular 6 based executive Dashboard with Node.JS as backend according to the specification presented in the following sections.
- The dashboard visualize the overall status of multiple business applications and structured as following :
  - Drill Level 1: Overall Application Status
  - Drill Level 2: Application Detail.
- Use the following Technology stack for this exercise:
  - Front-end: Angular 6
  - Back-end: Node.JS
  - Communication : Socket.IO (\*Optional)
    - > Opt for other polling technique if needed to meet the time constraints. (i.e. lazy polling)

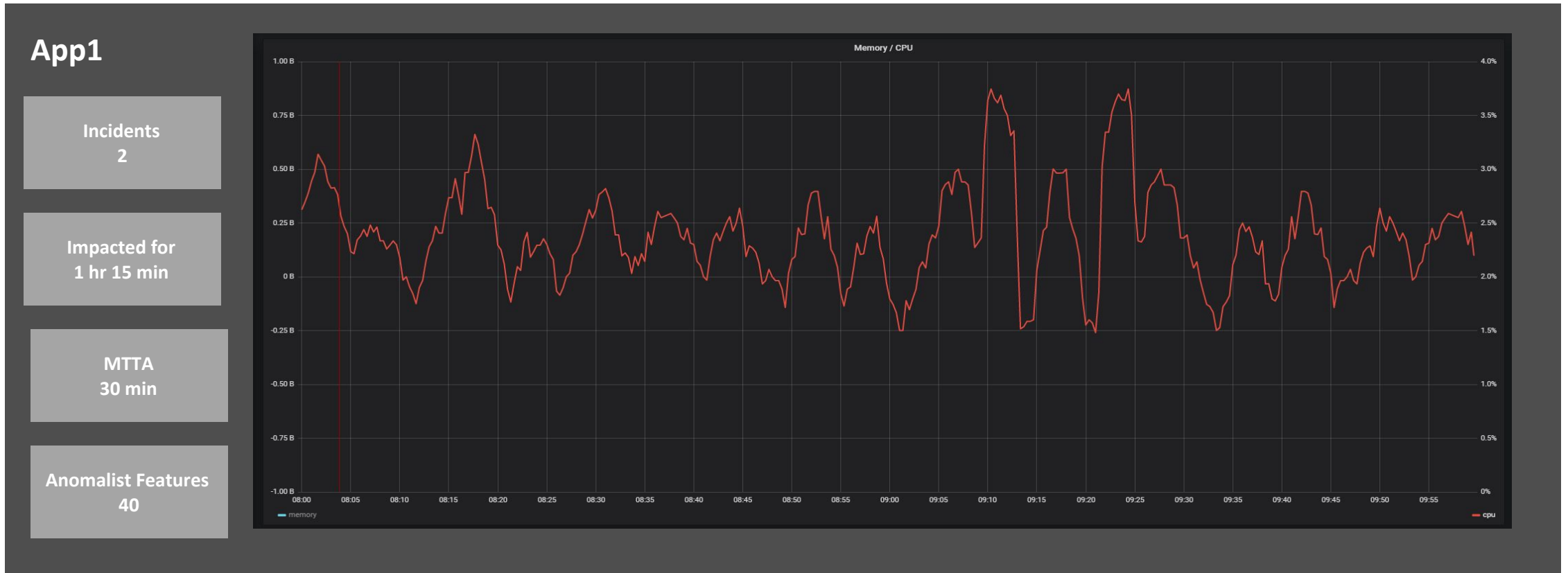
# Overall Application Status – Drill Level 1

## Overall Application Status



- The Angular dashboard component query node.js backend using Socket.IO to query the application status.
- The Node.JS backend will return randomly initialized JSON data represent the overall status of each application [ {"name": "app1", "status" : "Critical"}, ..etc
- The Angular dashboard component will create a color coded score card components for each application according to the returned status in the previous step
- Each Score card component has onClick handler that navigate to the 2<sup>nd</sup> page.
- The page should be updated in real time using Socket.IO or Near Real time using Lazy polling.

# Application Detail – Drill Level 2



- This page contains a randomly initialized chart and left side information panel.
- Chart content is being updated every 1 sec (Live – Chart)