

# ADOBE PROGRAMMING CHALLENGE

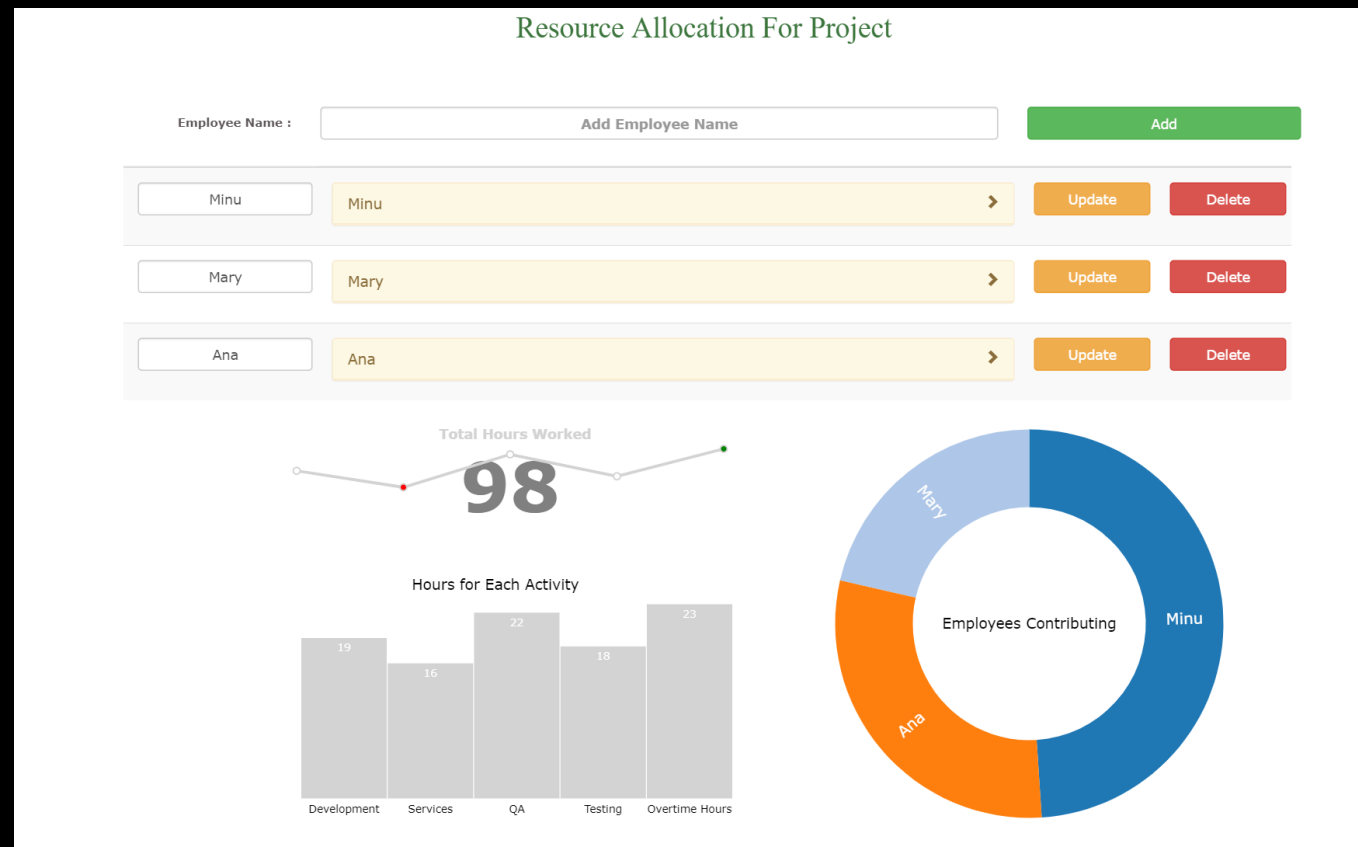
Angular JS + D3 Visualization

Done By:  
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# AIM ?

- The aim of this exercise is to create a simple javascript application that displays visualizations on a web page. The application should be able to load data on a regularly basis without reloading the page.
- In the folder structure – run the index.html

# DASHBOARD FOR RESOURCE ALLOCATION





# FEATURES AVAILABLE

- Add a new resource and their hours contributed dynamically.
- Delete a resource if they are not needed for the project.
- Update the hours for each employee dynamically.
- Edit the name of employee and it would reflect immediately in the visualizations.
- Interactive Visualizations available: Pie chart, Bar Chart, Line Chart

# VISUALIZATIONS AVAILABLE?

- When the web page is loaded, we have three visualizations available which shows the hours contributed by the employees for different activities like – Development, Testing, Services, QA and Overtime hours. These visualizations are dynamically adapted when a new employee is added (without refreshing the webpage).
- The bar chart displays the total contribution by all employees for each activity.
- When we edit/update this information in the dashboard and save it, the values are updated in the visualization as well.
- The line chart gives us the total number of hours spent in all projects in a glance. We can compare this against our bar chart.
- When we click against a particular employee name in the pie chart, his hours alone for the activities are highlighted in bar chart and line chart. This visualization helps us in tracking an individual employee's contribution in the different project activities and total time spent by him.

# ADD A NEW EMPLOYEE TO THE DASHBOARD

- Enter the new employee name in the *Add Employee Name* textbox and click add.
- The name would be added to the list.
- However it would not be added to the charts, because by default the hours contributed are zero. We need to update these values so that it can be reflected in the graph.

# ADDING HOURS FOR NEW EMPLOYEE

- Once the employee is added. Click against the name.
- Drop down is displayed where the default hours are present.
- Click on the edit option, now all the hours are editable.
- Add the appropriate values and click save and then click update.
- Now, the new values are added to the visualizations.



# DELETE AN EMPLOYEE

- If an employee is no longer used in the project, then click the delete option against his name.
- His hours would be deleted from the record as well as the visualizations.

# EDIT EMPLOYEE NAME

- We can always change the existing employees name by changing it in the text box available to the left, and update it.
- It would be reflected in the visualizations.



The image features a solid black background. At the top, there is a decorative border composed of several overlapping, wavy bands of color. From left to right, these bands transition through shades of yellow, orange, red, and finally into a bright cyan or light blue on the far right. The waves create a sense of movement and depth.

THANK YOU