

How to Create Quadrant Charts with Mermaid.js

Quadrant charts are a powerful way to visualize items based on two criteria, such as *impact* vs. *effort* or *value* vs. *risk*. With **Mermaid.js**, you can build quadrant charts declaratively using a simple syntax.

Step 1: Load Mermaid.js in Your HTML

Start by including Mermaid.js via a CDN and initialize it to render diagrams on load:

```
<script type="module">
import mermaid from 'https://cdn.jsdelivr.net/npm/mermaid@10/dist/mermaid.esm.min.mjs';
mermaid.initialize({ startOnLoad: true });
</script>
```

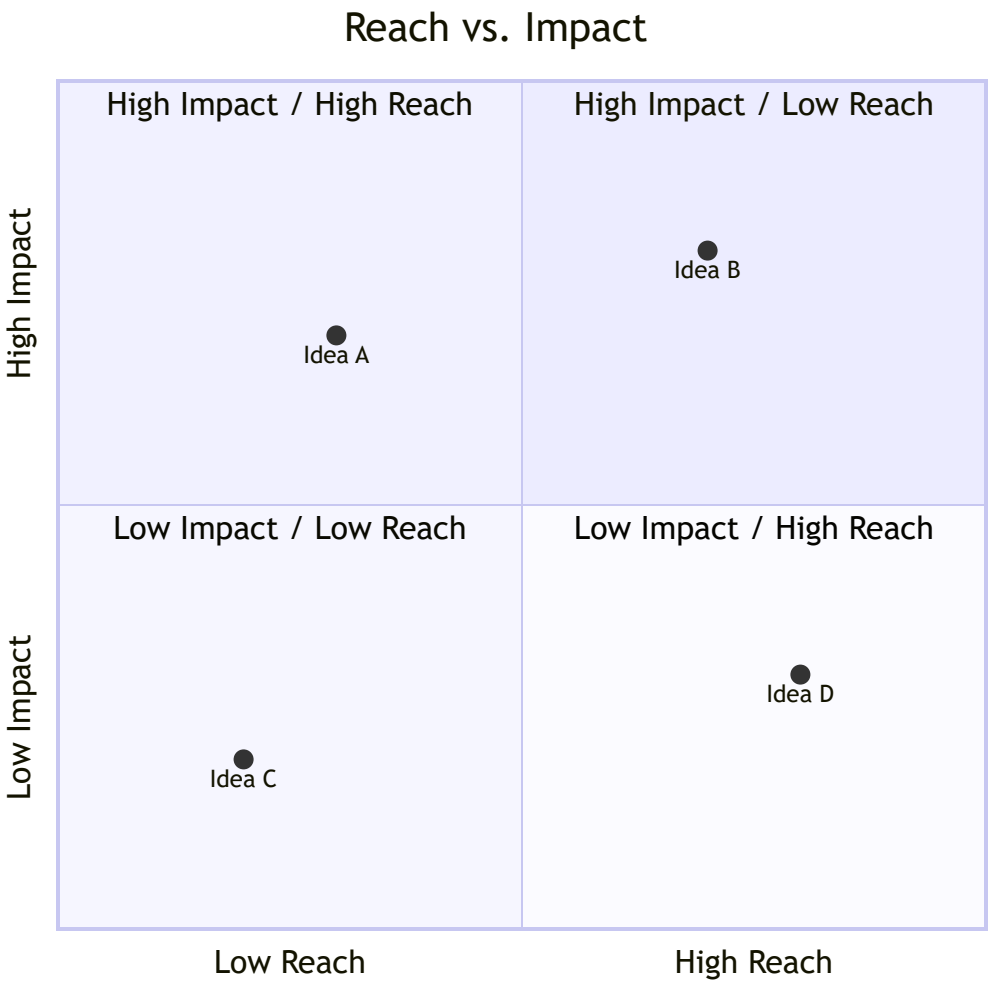
Step 2: Define Your Quadrant Chart

Use the `quadrantChart` keyword followed by a title, axis definitions, and item placements.

Basic Example:

```
<div class="mermaid">
quadrantChart
  title Reach vs. Impact
  x-axis Low Reach --> High Reach
  y-axis Low Impact --> High Impact
  quadrant-1 High Impact / Low Reach
  quadrant-2 High Impact / High Reach
  quadrant-3 Low Impact / Low Reach
  quadrant-4 Low Impact / High Reach
  "Idea A": [0.3, 0.7]
  "Idea B": [0.7, 0.8]
  "Idea C": [0.2, 0.2]
  "Idea D": [0.8, 0.3]
</div>
```

Rendered Diagram:



Syntax Explained

- `title` : Sets the title of the chart
- `x-axis` and `y-axis` : Define the horizontal and vertical axes and their direction
- `quadrant-1` to `quadrant-4` : Provide labels for each quadrant (optional but useful)
- `"Label": [x, y]` : Plot a point with a label at the specified normalized coordinates (0 to 1)

Customization Tips

You can also apply a custom theme using Mermaid's init directive syntax:

```
<div class="mermaid">
%%{ init: { "theme": "forest" } }%%
quadrantChart
  title Custom Theme
  x-axis Risk --> Value
  y-axis Low Priority --> High Priority
  quadrant-1 Prioritize
  quadrant-2 Big Wins
  quadrant-3 Time Wasters
  quadrant-4 Potential
  "Feature X": [0.6, 0.9]
  "Feature Y": [0.2, 0.4]
</div>
```



Summary

- Use `quadrantChart` to quickly visualize trade-offs and decision areas
- Axes values range from `0` to `1` for both x and y
- Customize quadrant labels to fit your context (e.g. strategy, product, UX)
- Apply a Mermaid theme for visual consistency

Resources

- [Official Mermaid Quadrant Chart Docs](#)
- [Mermaid Live Editor](#) — Try it out interactively

Mermaid's quadrant charts are perfect for product managers, strategists, and UX designers who want to communicate priorities at a glance. Give it a try in your next dashboard or decision meeting!