

# Report: Day 1 – CSS Grid

## ProSensia Internship Report

### Week 2 – Day 1

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## Topic: CSS Grid – Rows, Columns, and Grid Template Areas

CSS Grid is a two-dimensional layout system that allows web developers to design flexible, responsive layouts using rows and columns.

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### ◆ 1. Defining a Grid Container

To create a grid, the container needs `display: grid`.

```
css
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.container {
  display: grid;
  grid-template-columns: 1fr 2fr;
  grid-template-rows: auto auto;
  gap: 16px;
}
```

- `1fr 2fr` → Two columns, second one is twice the width of the first
  - `gap` → Adds spacing between grid items
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### ◆ 2. Placing Items on the Grid

Items are automatically placed unless manually positioned using:

```
css
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grid-column: 1 / 3;
grid-row: 2 / 3;
```

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### ◆ 3. Grid Template Areas

A visual way to place sections using named areas:

```
css
```

```
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.container {
  display: grid;
  grid-template-areas:
    "header header"
    "sidebar content"
    "footer footer";
  grid-template-columns: 1fr 3fr;
}

.header { grid-area: header; }
.sidebar { grid-area: sidebar; }
.content { grid-area: content; }
.footer { grid-area: footer; }
```