

Experiment 3.1

Code:

```
<html>
<head>
<title>Pricing Plans</title>
<style>
h1{text-align:center;font-family:sans-serif;}
.pricing-container{display:flex;flex-wrap:wrap;}
.pricing-card{display:flex;flex-direction:column;justify-content:space-between;flex:0 0 200px;border:2px
solid black;padding:20px;text-align:center;min-height:150px;}
.basic-plan{order:0;}
.pro-plan{order:1;flex-grow:2;}
.premium-plan{order:2;}
h2,p{margin:10px 0;font-family:sans-serif;}
</style>
</head>
<body>
<h1>Pricing Plans</h1>
<div class="pricing-container">
<div class="pricing-card basic-plan">
<h2>Basic</h2>
<p>$9/month</p>
</div>
<div class="pricing-card pro-plan">
<h2>Pro</h2>
<p>$19/month</p>
</div>
<div class="pricing-card premium-plan">
<h2>Premium</h2>
<p>$29/month</p>
</div>
</div>
</body>
</html>
```

Output:

Pricing Plans

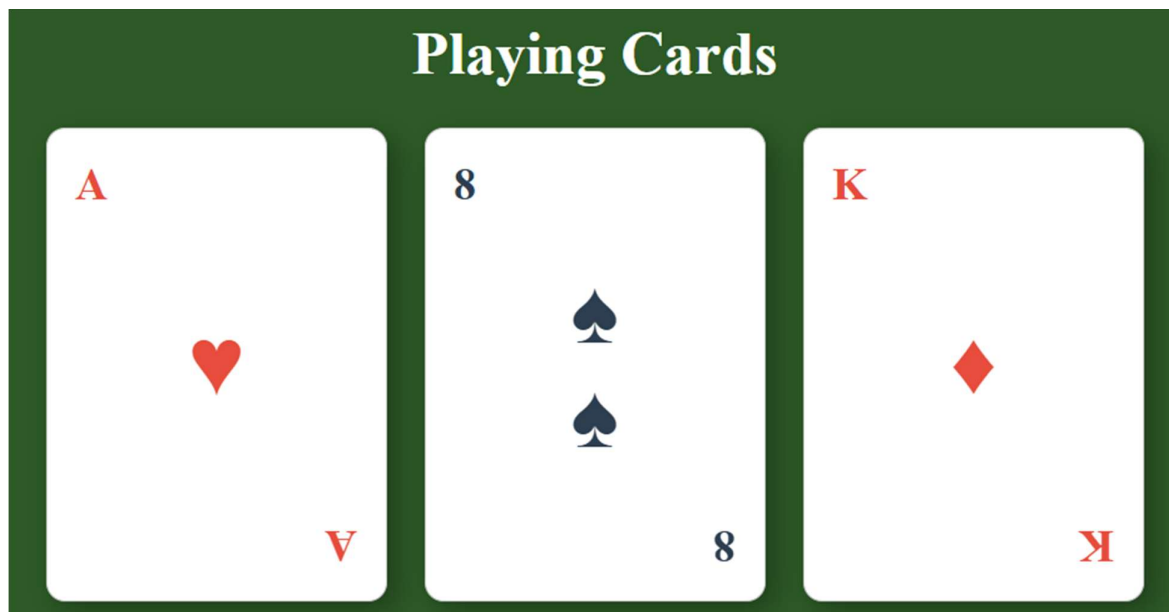
Basic	Pro	Premium
\$9/month	\$19/month	\$29/month

Experiment 3.2

Code:

```
<html>
<head>
<title>Playing Cards</title>
<style>
body{background-color:#2d5a27;margin:0;padding:50px;font-family:serif;}
#playing-cards{display:flex;justify-content:center;flex-wrap:wrap;gap:20px;}
.card{display:flex;justify-content:space-between;width:150px;height:220px;background:white;border-
radius:10px;padding:15px;box-shadow:5px 5px 15px rgba(0,0,0,0.3);border:1px solid #ccc;}
.left{align-self:flex-start;font-size:1.5rem;font-weight:bold;}
.middle{align-self:center;display:flex;flex-direction:column;font-size:3rem;}
.right{align-self:flex-end;font-size:1.5rem;font-weight:bold;transform:rotate(180deg);}
.red{color:#e74c3c;}
.black{color:#2c3e50;}
</style>
</head>
<body>
<h1 align="center" style="color:#ffffff;">Playing Cards</h1>
<main id="playing-cards">
<div class="card red">
<div class="left">A</div>
<div class="middle">
<div>&hearts;</div>
</div>
<div class="right">A</div>
</div>
<div class="card black">
<div class="left">8</div>
<div class="middle">
<div>&spades;</div>
<div>&spades;</div>
</div>
<div class="right">8</div>
</div>
<div class="card red">
<div class="left">K</div>
<div class="middle">
<div>&diamonds;</div>
</div>
<div class="right">K</div>
</div>
</main>
</body>
</html>
```

Output:



Experiment 3.3

Code:

```
<html><head><title>Flexbox Documentation</title>
<style>
html{scroll-behavior:smooth;}
body{font-family:'Segoe UI',sans-serif;line-height:1.5;color:#333;margin:0;display:flex;background:
#fdfdfd;}
#navbar{position:fixed;width:300px;height:100%;border-right:2px solid #ddd;background:#f8f9fa;overflow-
y:auto;}
#navbar header{font-size:1.5rem;font-weight:bold;padding:20px;text-align:center;border-bottom:1px solid
#ddd;color:#2c3e50;}
.nav-link{display:block;padding:15px 25px;text-decoration:none;color:#444;border-bottom:1px solid
#ddd;transition:background 0.3s;}
.nav-link:hover{background:#e9ecef;color:#000;}
#main-doc{margin-left:310px;padding:20px;max-width:800px;}
.main-section{margin-bottom:40px;}
.main-section header{font-size:1.8rem;font-weight:600;color:#2980b9;margin-bottom:15px;border-bottom:2px
solid #eee;}
code{background:#f4f4f4;padding:2px 6px;border-radius:4px;font-family:monospace;color:#d63384;font-
weight:bold;display:block;margin:10px 0;width:fit-content;}
ul{margin:15px 0;}
li{margin-bottom:10px;}
@media (max-width:768px){
body{flex-direction:column;}
#navbar{position:relative;width:100%;height:auto;border-right:none;border-bottom:2px solid #ddd;}
#main-doc{margin-left:0;padding:15px;}}
</style></head>
<body><nav id="navbar"><header>Flexbox Guide</header><a class="nav-link" href="#Introduction">
Introduction</a><a class="nav-link" href="#Flex_Container">Flex Container</a><a class="nav-link"
href="#Flex_Direction">Flex Direction</a><a class="nav-link" href="#Justify_Content">Justify Content</a>
<a class="nav-link" href="#Align_Items">Align Items</a></nav><main id="main-doc">
<section class="main-section" id="Introduction"><header>Introduction</header><p>Flexbox is a one-
dimensional layout method for arranging items in rows or columns.</p><p>It was designed to provide a
more efficient way to lay out, align, and distribute space among items in a container.</p><code>display:
flex;</code><ul><li>Responsive by nature</li><li>Easier alignment</li></ul></section>
<section class="main-section" id="Flex_Container"><header>Flex Container</header><p>To start using
Flexbox, you must first define a flex container.</p><p>This is done by setting the display property of
an element.</p><code>.container { display: flex; }</code></section><section class="main-section"
id="Flex_Direction"><header>Flex Direction</header><p>The flex-direction property defines which
direction the container wants to stack the items.</p><p>Default value is row, but it can also be
column.</p><code>flex-direction: column;</code><ul><li>row</li><li>row-reverse</li><li>column</li></ul>
</section><section class="main-section" id="Justify_Content"><header>Justify Content</header><p>The
justify-content property is used to align the flex items along the main axis.</p><p>It helps distribute
extra free space left over when flex items are either inflexible or flexible but have reached their
maximum size.</p><code>justify-content: center;</code><ul><li>flex-start</li><li>flex-end</li><li>space-
between</li></ul></section><section class="main-section" id="Align_Items"><header>Align Items</header>
<p>This defines the default behavior for how flex items are laid out along the cross axis.</p><p>Think
of it as the justify-content version for the cross-axis.</p><code>align-items: stretch;</code></section>
</main></body></html>
```

Output:

Flexbox Guide	Introduction
Introduction	Flexbox is a one-dimensional layout method for arranging items in rows or columns.
Flex Container	It was designed to provide a more efficient way to lay out, align, and distribute space among items in a container. <code>display: flex;</code>
Flex Direction	<ul style="list-style-type: none">Responsive by natureEasier alignment
Justify Content	
Align Items	
	<h3>Flex Container</h3> <p>To start using Flexbox, you must first define a flex container.</p> <p>This is done by setting the display property of an element.</p> <code>.container { display: flex; }</code>
	<h3>Flex Direction</h3> <p>The flex-direction property defines which direction the container wants to stack the items.</p> <p>Default value is row, but it can also be column.</p> <code>flex-direction: column;</code> <ul style="list-style-type: none">rowrow-reversecolumn
	<h3>Justify Content</h3> <p>The justify-content property is used to align the flex items along the main axis.</p> <p>It helps distribute extra free space left over when flex items are either inflexible or flexible but have reached their maximum size.</p> <code>justify-content: center;</code> <ul style="list-style-type: none">flex-startflex-endspace-between
	<h3>Align Items</h3> <p>This defines the default behavior for how flex items are laid out along the cross axis.</p> <p>Think of it as the justify-content version for the cross-axis.</p> <code>align-items: stretch;</code>

Code:

Output:

Experiment 3.5

Code:

```
<html><head><title>Product Landing Page</title>
<style>
:root{--bg:#f9f9f9;--card-bg:#fff;--text:#333;--header-bg:#fff;--border:#eee;}
@media(prefers-color-scheme:dark){:root{--bg:#1a1a1a;--card-bg:#2d2d2d;--text:#f9f9f9;--header-bg:#121212;--
border:#444;}}
html{scroll-behavior:smooth;}
body{font-family:'Helvetica Neue',Arial,sans-serif;margin:0;padding:0;background-color:var(--bg);color:var(--
text);transition:background 0.3s,color 0.3s;}
#header{position:fixed;top:0;width:100%;height:70px;background-color:var(--header-bg);display:flex;justify-
content:space-between;align-items:center;box-shadow:0 2px 5px rgba(0,0,0,0.1);z-index:1000;}
#header-img{height:40px;margin-left:20px;filter:invert(var(--invert,0));}
@media(prefers-color-scheme:dark){:root{--invert:1;}}
#nav-bar{margin-right:20px;}
.nav-link{text-decoration:none;color:var(--text);margin:0 15px;font-weight:bold;}
.nav-link:hover{color:#007bff;}
#hero{margin-top:100px;text-align:center;padding:40px 20px;}
#form{display:flex;flex-direction:column;align-items:center;gap:10px;}
#email{padding:10px;width:300px;border:1px solid var(--border);border-radius:4px;background:var(--card-
bg);color:var(--text);}
#submit{padding:10px 30px;background-color:#007bff;color:#fff;border:none;border-radius:4px;cursor:pointer;font-
weight:bold;}
.container{max-width:1000px;margin:0 auto;padding:40px 20px;}
#video-container{display:flex;justify-content:center;margin:40px 0;}
#video{width:100%;max-width:560px;aspect-ratio:16/9;border:none;}
.flex-grid{display:flex;flex-wrap:wrap;gap:20px;justify-content:center;}
.card{flex:1 1 280px;max-width:320px;background:var(--card-bg);padding:30px;border-radius:8px;box-shadow:0 2px
10px rgba(0,0,0,0.2);text-align:center;border:1px solid var(--border);}
.price{font-size:2.5rem;font-weight:bold;margin:20px 0;}
.btn-select{display:inline-block;padding:10px 20px;background:#007bff;color:#fff;text-decoration:none;border-
radius:4px;}
@media (max-width:600px){
#header{flex-direction:column;height:auto;padding:10px 0;}
#hero{margin-top:140px;}}
</style></head><body><header id="header"><nav id="nav-bar"><a class="nav-link"
href="#features">Features</a><a class="nav-link" href="#how-it-works">How It Works</a><a class="nav-link"
href="#pricing">Pricing</a></nav></header><main><section id="hero"><h1>Master Your Workflow</h1><form id="form"
action="https://www.freecodecamp.org/email-submit"><input name="email" id="email" type="email" placeholder="Enter
your email address" required><input id="submit" type="submit" value="Get Started"></form></section><div
class="container"><section id="features"><div class="flex-grid"><div class="card"><h3>Fast Performance</h3><p>
Industry-leading speeds that keep you ahead of the curve.</p></div><div class="card"><h3>Secure Cloud</h3><p>
Protected with enterprise-grade security.</p></div></div></section><section id="how-it-works"><div id="video-
container"><iframe id="video" src="https://www.youtube-nocookie.com/embed/y8Yv4pn07qc"></iframe></div></section>
<section id="pricing"><div class="flex-grid"><div class="card"><h3>Personal</h3><div class="price">$10</div><a
href="#" class="btn-select">Select</a></div><div class="card" style="border-color:#007bff;"><h3>Professional</h3>
<div class="price">$25</div><a href="#" class="btn-select">Select</a></div></div></section></div></main></body>
</html>
```

Output:

