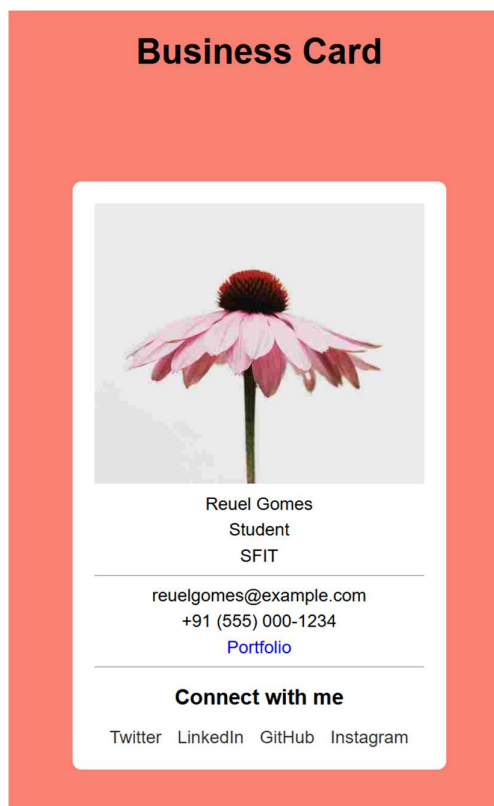# Experiment 2.1

## Code:

```
<html><head><title>Business Card</title>
<style>
body {background-color: salmon;font-family: Monteserrat, sans-serif;}
.business-card {width: 300px;background-color: #ffffff;padding: 20px;margin-
top: 100px;margin-left: auto;margin-right: auto;text-align: center;font-size:
16px;border-radius: 8px;}
.profile-image {max-width: 100%;}
p {margin-top: 5px;margin-bottom: 5px;}
a {text-decoration: none;}
.social-media a {display: inline-block; margin: 0 5px; color: #333;}
.social-media h2 {font-size: 1.2rem;}
</style></head>
<body>
<h1 align="center">Business Card</h1>
<div class="business-card">
<img src="https://cdn.freecodecamp.org/curriculum/labs/flower.jpg" alt="A
beautiful flower profile image" class="profile-image">
<p class="full-name">Reuel Gomes<p>
<p class="designation">Student</p>
<p class="company">SFIT</p>
<hr>
<p>reuelgomes@example.com</p>
<p>+91 (555) 000-1234</p>
<a href="https://portfolio.example.com" class="portfolio-link">Portfolio</a>
<hr>
<div class="social-media">
<h2>Connect with me</h2>
<a href="https://twitter.com">Twitter</a>
<a href="https://linkedin.com">LinkedIn</a>
<a href="https://github.com">GitHub</a>
<a href="https://instagram.com">Instagram</a>
</div>
</div>
</body></html>
```
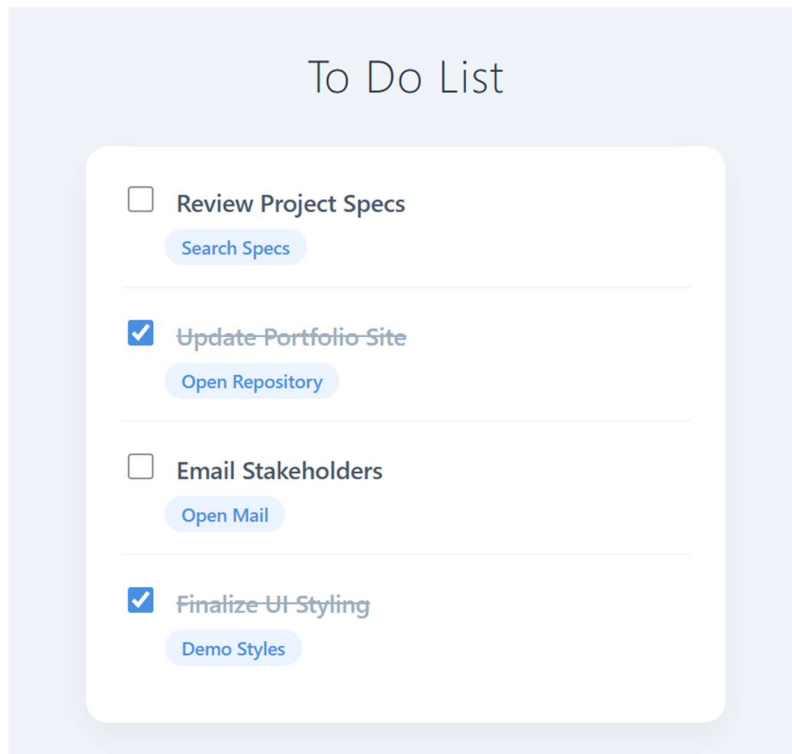
## Output:

# Experiment 2.2

## Code:

```
<html><head><title>Stylized To-Do List</title>
<style>
body{padding:50px;font-family:'Segoe UI',Roboto,sans-serif;background-color:
#f0f4f8;display:flex;flex-direction:column;align-items:center;}
h1{color:#2d3748;margin-bottom:30px;font-weight:300;letter-spacing:1px;}
.todo-list{list-style:none;background:#ffffff;padding:25px;border-radius:15px;max-
width:400px;width:100%;box-shadow:0 10px 25px rgba(0,0,0,0.05);margin:0;}
.todo-list>li{margin-bottom:20px;padding-bottom:15px;border-bottom:1px solid #edf2f7;}
.todo-list>li:last-child{border-bottom:none;margin-bottom:0;}
label{font-size:17px;color:#4a5568;cursor:pointer;font-weight:500;display:inline-
flex;align-items:center;transition:color 0.2s;}
input[type="checkbox"]{width:18px;height:18px;margin-right:12px;cursor:pointer;accent-
color:#4a90e2;}
input[type="checkbox"]:checked+label{text-decoration:line-through;color:#a0aec0;}
.sub-item{list-style:none;margin:8px 0 0 30px;padding:0;}
a.sub-item-link{text-decoration:none;font-size:13px;font-weight:600;display:inline-
block;padding:4px 12px;border-radius:20px;transition:all 0.2s ease-in-out;}
a.sub-item-link:link{color:#4a90e2;background:#ebf4ff;}
a.sub-item-link:visited{color:#805ad5;background:#faf5ff;}
a.sub-item-link:hover{color:#ffffff;background:#4a90e2;transform:translateY(-1px);}
a.sub-item-link:focus{outline:none;box-shadow:0 0 0 3px rgba(66,153,225,0.4);}
a.sub-item-link:active{transform:translateY(0);filter:brightness(0.9);}
</style></head>
<body><h1 align="center">To Do List</h1>
<ul class="todo-list">
<li><input type="checkbox" id="check1"><label for="check1">Review Project Specs</label>
<ul class="sub-item"><li><a href="https://google.com" class="sub-item-link"
target="_blank">Search Specs</a></li></ul></li>
<li><input type="checkbox" id="check2"><label for="check2">Update Portfolio Site</label>
<ul class="sub-item"><li><a href="https://github.com" class="sub-item-link"
target="_blank">Open Repository</a></li></ul></li>
<li><input type="checkbox" id="check3"><label for="check3">Email Stakeholders</label><ul
class="sub-item"><li><a href="https://gmail.com" class="sub-item-link" target="_blank">
Open Mail</a></li></ul></li>
<li><input type="checkbox" id="check4"><label for="check4">Finalize UI Styling</label><ul
class="sub-item"><li><a href="https://codepen.io" class="sub-item-link" target="_blank">
Demo Styles</a></li></ul></li></ul>
</body></html>
```
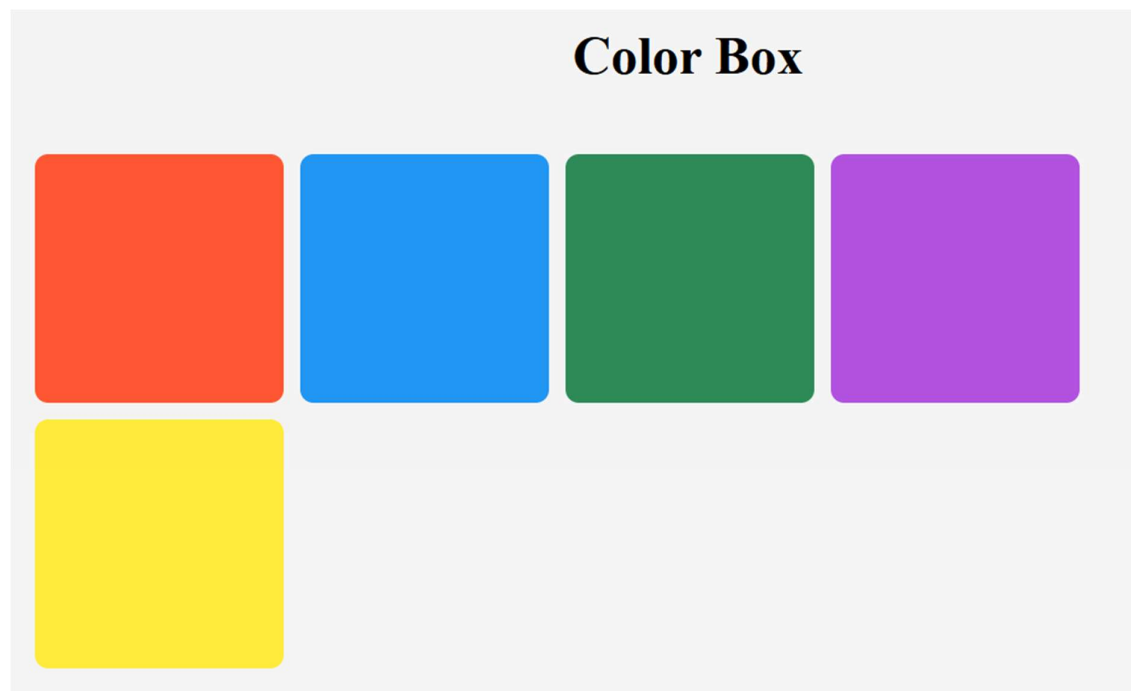
## Output:

# Experiment 2.3

## Code:

```
<html><head><title>Job Form</title>
<style>
body{font-family:'Segoe UI',Arial,sans-serif;padding:40px;background-color:#f4f7f6;color:#
333;line-height:1.6;}
.container{max-width:450px;margin:auto;background:white;padding:30px;border-radius:12px;box-
shadow:0 10px 25px rgba(0,0,0,0.05);}
h1{margin-top:0;color:#2c3e50;font-weight:600;}
label{display:block;margin-bottom:8px;font-size:14px;font-weight:bold;color:#555;}
input:not([type="radio"]),select,textarea{width:100%;padding:12px;margin-bottom:20px;border:1px
solid #ddd;border-radius:6px;box-sizing:border-box;font-size:15px;transition:all 0.3s ease;}
input:first-of-type{border-radius:12px;}
input:focus,textarea:focus{border-color:#3498db;outline:none;box-shadow:0 0 0 3px
rgba(52,152,219,0.1);}
input:invalid:not(:placeholder-shown),select:invalid:not(:placeholder-shown){border-color:
#e74c3c;}
input:valid:not(:placeholder-shown),select:valid:not(:placeholder-shown){border-color:#2ecc71;}
button{width:100%;background-color:#3498db;color:white;padding:14px;border:none;border-
radius:6px;font-size:16px;font-weight:bold;cursor:pointer;transition:background 0.3s;}
button:hover{background-color:#2980b9;}
.radio-group{border:1px solid #eee;border-radius:8px;padding:15px;margin-bottom:20px;}
.radio-group legend{padding:0 10px;font-size:13px;color:#888;text-transform:uppercase;}
.radio-item{display:inline-flex;align-items:center;margin-right:15px;cursor:pointer;}
.radio-group input[type="radio"]{margin-right:8px;cursor:pointer;}
.radio-group input[type="radio"]:checked+label{color:#3498db;font-weight:bold;}
textarea{height:100px;resize:none;}
</style></head>
<body><h1 align="center">Job Application</h1>
<div class="container"><form><label for="name">Name</label><input type="text" id="name"
placeholder="Full Name" required><label for="email">Email</label><input type="email" id="email"
placeholder="email@address.com" required><label for="position">Position</label><select
id="position" required><option value="" disabled selected>Select a role...</option><option
value="dev">Developer</option><option value="designer">Designer</option></select>
<fieldset class="radio-group"><legend>Availability</legend>
<div class="radio-item"><input type="radio" id="ft" name="availability" value="ft"><label
for="ft" style="display:inline;margin:0;">Full-Time</label></div>
<div class="radio-item"><input type="radio" id="pt" name="availability" value="pt"><label
for="pt" style="display:inline;margin:0;">Part-Time</label></div></fieldset>
<label for="message">Message</label><textarea id="message" placeholder="Tell us about
yourself..." required></textarea><button type="submit">Submit Application</button></form></div>
</body></html>
```

## Output:

Experiment 2.4

Code:

```html
<html>
<head>
<title>Colored Boxes</title>
<style>
body{background-color:#f4f4f4;}
.color-grid{display:flex;gap:10px;padding:20px;flex-wrap:wrap;}
.color-box{width:150px;height:150px;border-radius:8px;}
.color1{background-color:#ff5733;}
.color2{background-color:rgb(33,150,243);}
.color3{background-color:seagreen;}
.color4{background-color:hsl(280,70%,60%);}
.color5{background-color:#ffeb3b;}
</style>
</head>
<body>
<h1 align="center">Color Box</h1>
<div class="color-grid">
<div class="color-box color1"></div>
<div class="color-box color2"></div>
<div class="color-box color3"></div>
<div class="color-box color4"></div>
<div class="color-box color5"></div>
</div>
</body>
</html>
```
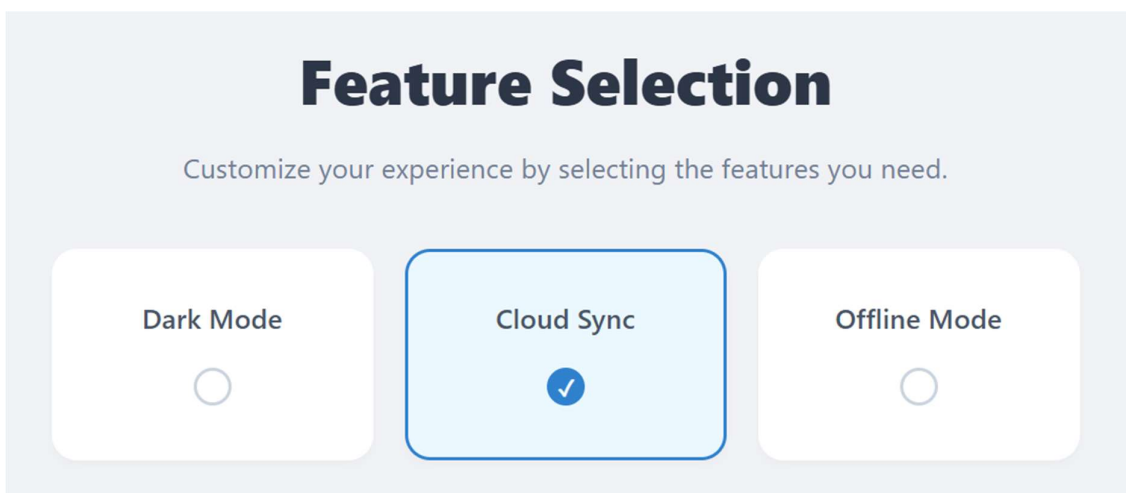
Output:

# Experiment 2.5

## Code:

```
<html><head><title>Feature Selection</title>
<style>
body{font-family:'Inter',system-ui,sans-serif;background-color:#f0f2f5;color:#
1a202c;padding:60px 20px;margin:0;}
h1{font-weight:800;font-size:2.5rem;margin-bottom:10px;color:#2d3748;}
p.subtitle{color:#718096;margin-bottom:40px;font-size:1.1rem;}
.feature-card-container{display:flex;justify-content:center;gap:20px;flex-wrap:wrap;max-
width:800px;margin:0 auto;}
.feature-card{background:white;padding:30px 20px;border:2px solid transparent;border-
radius:16px;cursor:pointer;display:flex;flex-direction:column;align-
items:center;width:160px;transition:all 0.2s ease;box-shadow:0 4px 6px
rgba(0,0,0,0.02);position:relative;}
.feature-card:hover{transform:translateY(-4px);box-shadow:0 12px 20px rgba(0,0,0,0.08);border-
color:#e2e8f0;}
input[type="checkbox"]{appearance:none;-webkit-appearance:none;width:24px;height:24px;border:2px
solid #cbd5e0;border-radius:50%;display:grid;place-content:center;cursor:pointer;margin-
top:20px;transition:all 0.2s ease;background:white;}
input[type="checkbox"]::after{content:"✓";color:white;font-size:14px;font-
weight:bold;display:none;}
input[type="checkbox"]:checked{background-color:#3182ce;border-color:#3182ce;}
input[type="checkbox"]:checked::after{display:block;}
.feature-card:has(input:checked){border-color:#3182ce;background-color:#ebf8ff;}
.feature-name{font-weight:600;font-size:1.1rem;color:#4a5568;}
</style></head>
<body>
<h1 align="center">Feature Selection</h1>
<p class="subtitle" align="center">Customize your experience by selecting the features you
need.</p>
<div class="feature-card-container"><label class="feature-card"><span class="feature-name">Dark
Mode</span><input type="checkbox"></label>
<label class="feature-card"><span class="feature-name">Cloud Sync</span><input type="checkbox">
</label>
<label class="feature-card"><span class="feature-name">Offline Mode</span><input
type="checkbox"></label>
</div></body></html>
```
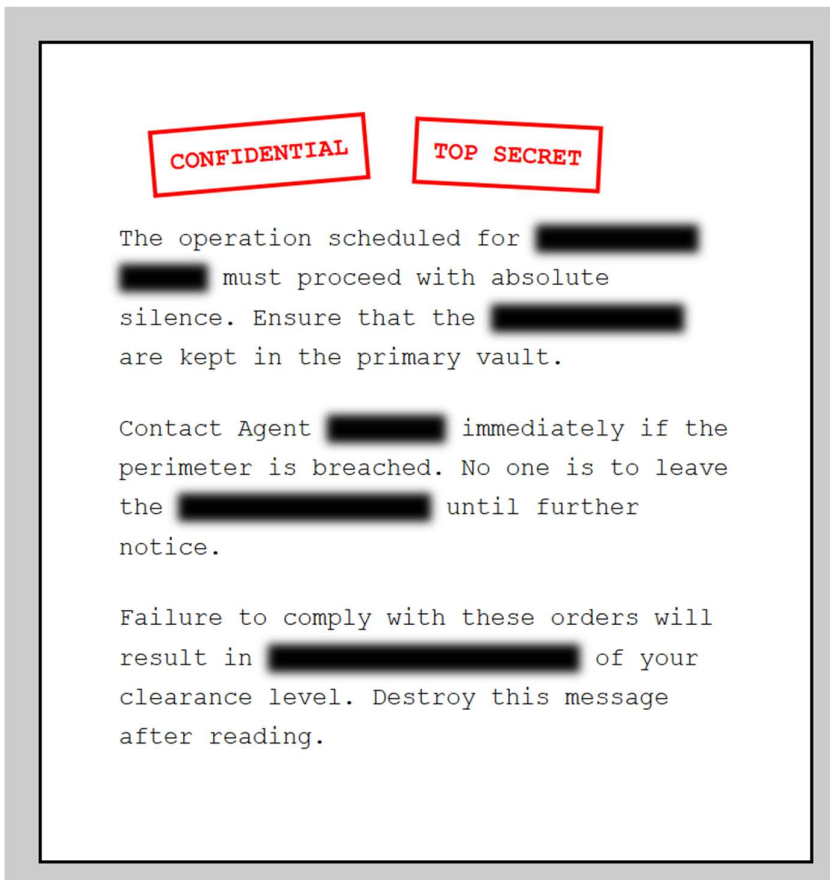
## Output:

# Experiment 2.6

## Code:

```html
<html>
<head>
<title>Confidential Email</title>
<style>
body{display:flex;justify-content:center;background-color:#ccc;font-family:Courier,monospace;}
#email{id:email;padding:50px;margin-top:50px;width:500px;border:2px solid #000;box-
sizing:border-box;background-color:#fff;}
#confidential,#top-secret{display:inline-block;padding:10px;margin-left:20px;border:3px solid
red;font-weight:bold;color:red;text-transform:uppercase;}
#confidential{transform:rotate(-5deg);text-align:center;}
#top-secret{transform:rotate(3deg);text-align:center;}
.blurred{filter:blur(3px);background-color:#000;color:#000;user-select:none;}
p{line-height:1.6;margin-top:20px;}
</style>
</head>
<body>
<main id="email">
<div id="confidential">CONFIDENTIAL</div>
<div id="top-secret">TOP SECRET</div>
<p>The operation scheduled for <span class="blurred">Midnight on Friday</span> must proceed with
absolute silence. Ensure that the <span class="blurred">Nuclear Codes</span> are kept in the
primary vault.</p>
<p>Contact Agent <span class="blurred">Thompson</span> immediately if the perimeter is breached.
No one is to leave the <span class="blurred">Sector 7 Facility</span> until further notice.</p>
<p>Failure to comply with these orders will result in <span class="blurred">Immediate
Termination</span> of your clearance level. Destroy this message after reading.</p>
</main>
</body>
</html>
```

## Output:

# Experiment 2.7

## Code:

```html
<html><head><title>Pricing Plans</title>
<style>
body{font-family:'Segoe UI',Tahoma,Geneva,Verdana,sans-serif;padding:40px;background-color:
#f0f2f5;color:#333;}
h1{text-align:center;margin-bottom:50px;font-weight:700;color:#1a202c;}
.pricing-container{display:flex;flex-wrap:wrap;gap:20px;justify-content:center;align-
items:stretch;max-width:1000px;margin:0 auto;}
.pricing-card{display:flex;flex-direction:column;justify-content:space-between;flex:0 0
220px;padding:30px;background-color:white;text-align:center;min-height:250px;border-
radius:15px;box-shadow:0 4px 15px rgba(0,0,0,0.05);transition:transform 0.3s ease,box-shadow
0.3s ease;border:none;}
.pricing-card:hover{transform:translateY(-5px);box-shadow:0 12px 20px rgba(0,0,0,0.1);}
.basic-plan{order:0;border-top:5px solid #a0aec0;}
.pro-plan{order:1;flex-grow:2;border-top:5px solid #4299e1;transform:scale(1.05);z-index:1;box-
shadow:0 10px 25px rgba(66,153,225,0.2);}
.pro-plan:hover{transform:scale(1.07) translateY(-5px);}
.premium-plan{order:2;border-top:5px solid #805ad5;}
h2{margin:0;font-size:1.5rem;color:#2d3748;letter-spacing:1px;}
p{font-size:2rem;font-weight:800;margin:20px 0;color:#1a202c;}
p span{font-size:0.9rem;font-weight:400;color:#718096;}
.btn{margin-top:20px;padding:12px;background:#4299e1;color:white;text-decoration:none;border-
radius:8px;font-weight:600;font-size:0.9rem;}
.basic-plan .btn{background:#718096;}
.premium-plan .btn{background:#805ad5;}
</style></head>
<body>
<h1>Pricing Plans</h1>
<div class="pricing-container"><div class="pricing-card basic-plan"><h2>Basic</h2>
<p>$9<span>/month</span></p><div style="font-size:0.85rem;color:#718096;">Standard Features<br>
Email Support</div><a href="#" class="btn">Start Basic</a></div>
<div class="pricing-card pro-plan"><div style="background:#4299e1;color:white;font-
size:0.7rem;padding:4px 0;border-radius:20px;width:100px;margin:0 auto 15px;text-
transform:uppercase;font-weight:bold;">Most Popular</div><h2>Pro</h2><p>$19<span>/month</span>
</p><div style="font-size:0.85rem;color:#718096;">Priority Support<br>Advanced Analytics<br>Team
Access</div><a href="#" class="btn">Go Pro</a></div>
<div class="pricing-card premium-plan"><h2>Premium</h2><p>$29<span>/month</span></p><div
style="font-size:0.85rem;color:#718096;">24/7 Phone Support<br>Unlimited Storage<br>Custom
Branding</div><a href="#" class="btn">Get Premium</a>
</div></div></body></html>
```

## Output: