# EXPERIMENTING WITH POSITION
## EXAMPLE #17

# Experimenting with Position

Let's start off with the same example that we saw earlier, the loonycorn author site

Let's add a header strip to the top of the site, a very standard design in new age websites

# EXPERIMENTING WITH POSITION



*Loonycorn*

Loonycorn is us, Janani Ravi, Vitthal Srinivasan, Swetha Kolalapudi and Navdeep Singh. Between the four of us, we have studied at Stanford, IIM Ahmedabad, the IITs and have spent years (decades, actually) working in tech, in the Bay Area, New York, Singapore and Bangalore.

Janani: 7 years at Google (New York, Singapore); Studied at Stanford; also worked at Flipkart and Microsoft

Vitthal: Also Google (Singapore) and studied at Stanford; Flipkart, Credit Suisse and INSEAD too

Swetha: Early Flipkart employee, IIM Ahmedabad and IIT Madras alum

Navdeep: longtime Flipkart employee too, and IIT Guwahati alum

We think we might have hit upon a neat way of teaching complicated tech courses in a funny, practical, engaging way, which is why we are so excited to be here on Udemy!
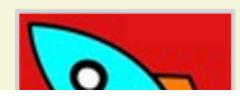
We hope you will try our offerings, and think you like them :-)

**From 0 to 1: Databases and SQL - Heavy Lifting**

**From 0 to 1: Data Structures And Algorithms**

# EXPERIMENTING WITH POSITION

```html
<body>
<div class="content-header">
    <div class="logo">
        <img src="http://www.loonycorn.com/resources/loonycorn-logo.png"
            width="124" height="40">
    </div>
</div>
<div class="content">
    <div class="navigation-bar">
        <div class="course-image">
        </div>
        <div class="course-title">
        </div>
    </div>
    <p class="author-about">
    </p>
</div>
<p class="footer">
    <span class="footer-links">
    </span>
    <span class="footer-links">
    </span>
</p>
</body>
</html>
```

# EXPERIMENTING WITH POSITION

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        <div class="course-title">
        </div>
    </div>
    <p class="author-about">
    </p>
</div>
<p class="footer">
    <span class="footer-links">
    </span>
    <span class="footer-links">
    </span>
</p>
</body>
</html>
```

THE CONTENT AND FOOTER LAYOUT IS EXACTLY THE SAME AS THE PREVIOUS EXAMPLE

# EXPERIMENTING WITH POSITION

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    </p>
</div>
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    </span>
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    </span>
</p>
</body>
</html>
```

THIS IS THE HEADER ON TOP, WE PLACE IT FIRST IN THE HTML SO IT APPEARS ON TOP

# EXPERIMENTING WITH POSITION

```html
<body>
<div class="content-header">
    <div class="logo">
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    </p>
</div>
<p class="footer">
    <span class="footer-links">
    </span>
    <span class="footer-links">
    </span>
</p>
</body>
</html>
```

```css
.content-header {
    background-color: #de1515;
    height: 60px;
    width: 100%;
}
```

## IT SPANS THE WIDTH OF THE PAGE AND HAS A FIXED HEIGHT

# EXPERIMENTING WITH POSITION

```html
<body>
<div class="content-header">
    <div class="logo">
        <img src="http://www.loonycorn.com/resources/loonycorn-logo.png"
            width="124" height="40">
    </div>
</div>
<div class="content">
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        <div class="course-image">
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        <div class="course-title">
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    <p class="author-about">
    </p>
</div>
<p class="footer">
    <span class="footer-links">
    </span>
    <span class="footer-links">
    </span>
</p>
</body>
</html>
```

```css
.content-header {
    background-color: #de1515;
    height: 60px;
    width: 100%;
}
```

BUT WHAT IF WE WANT THE HEADER TO REMAIN AT THE TOP EVEN AS WE SCROLL DOWN THE PAGE?

# EXPERIMENTING WITH POSITION



**NOTE HOW THE HEADER REMAINS EVEN AS WE SCROLL**

# EXPERIMENTING WITH POSITION

## THIS IS VERY SIMPLE

```css
.content-header {
    background-color: #de1515;
    height: 60px;
    width: 100%;
    position: fixed;
    top: 0;
}
```

## FIX THE POSITION OF THE ELEMENT!

# EXPERIMENTING WITH POSITION

## THIS IS VERY SIMPLE

```css
.content-header {
    background-color: #de1515;
    height: 60px;
    width: 100%;
    position: fixed;
    top: 0;
}
```

## WHEN THIS PROPERTY IS NOT SPECIFIED EVERY ELEMENT HAS A STATIC POSITION

## IT'S PLACED BASED ON OTHER ELEMENTS IN THE HTML FLOW

# EXPERIMENTING WITH POSITION

## THIS IS VERY SIMPLE

```css
.content-header {
    background-color: #de1515;
    height: 60px;
    width: 100%;
    position: fixed;
    top: 0;
}
```

## SO WHAT IS THE POSITION FIXED AT?

## THAT IS WHERE THE TOP, BOTTOM, LEFT AND RIGHT PROPERTIES COME IN

# EXPERIMENTING WITH POSITION

## THIS IS VERY SIMPLE

```css
.content-header {
    background-color: #de1515;
    height: 60px;
    width: 100%;
    position: fixed;
    top: 0;
}
```

THE TOP SPECIFIES THE DISTANCE FROM THE TOP FOR THAT FIXED ELEMENT

THE POSITION IS FIXED RELATIVE TO THE VIEWPORT

# EXPERIMENTING WITH POSITION

## THIS IS VERY SIMPLE

```css
.content-header {
    background-color: #de1515;
    height: 60px;
    width: 100%;
    position: fixed;
    top: 0;
}
```

THE POSITION IS FIXED RELATIVE TO THE **VIEWPORT**

THE VIEWPORT IS THE PORTION OF THE WINDOW WHICH IS VISIBLE TO THE USER

# EXPERIMENTING WITH POSITION

## THE BOTTOM CONTACT US SHOULD BE FIXED AS WELL!

### THIS WAY IT WILL ALWAYS BE AT THE BOTTOM OF THE SCREEN RATHER THAN THE BOTTOM OF ALL OTHER ELEMENTS

# EXPERIMENTING WITH POSITION

```css
.footer {
    background-color: #de1515;
    color: white;
    padding: 12px 0;
    margin: 0;
    clear: right;
    position: fixed;
    bottom: 0;
    width: 100%;
}
```

## THE FOOTER WILL BE FIXED AT THE BOTTOM, AND IT'S WIDTH WILL SPAN THE ENTIRE PAGE

# EXPERIMENTING WITH POSITION

```css
.footer {
    background-color: #de1515;
    color: white;
    padding: 12px 0;
    margin: 0;
    clear: right;
    position: fixed;
    bottom: 0;
    width: 100%;
}
```

# EXPERIMENTING WITH POSITION

Insert Video At This Slide: Top And Bottom Fixed

# EXPERIMENTING WITH POSITION

## WHAT ELSE CAN WE DO WITH POSITION?

```
position: absolute;
```

THIS IS POSITIONED TO THE NEAREST POSITIONED ANCESTOR

NORMALLY POSITIONED WITH RESPECT TO THE <body> ELEMENT

# EXPERIMENTING WITH POSITION

## WHAT ELSE CAN WE DO WITH POSITION?

```
position: absolute;
```

MOST COMMONLY USED TO HAVE AN ELEMENT OCCUPY A FIXED SPOT EVEN WHEN THE PAGE SCROLLS

LIKE THE ANNOYING ADS WHICH POP UP AT THE CENTER OF THE SCREEN

# EXPERIMENTING WITH POSITION

## WHAT ELSE CAN WE DO WITH POSITION?

```css
position: relative;
```

THE POSITION OF THE ELEMENT IS RELATIVE TO IT'S POSITION IN THE NORMAL STATIC FLOW

THIS IS AFFECTED BY THE TOP, BOTTOM, LEFT AND RIGHT PROPERTIES

# EXPERIMENTING WITH POSITION

## WHAT ELSE CAN WE DO WITH POSITION?

```
position: relative;
```

THIS IS AFFECTED BY THE TOP, BOTTOM, LEFT AND RIGHT PROPERTIES

THIS IS WHAT CHANGES THE POSITION RELATIVE TO NORMAL FLOW