



INFORMATICS  
INSTITUTE OF  
TECHNOLOGY

UNIVERSITY OF  
WESTMINSTER

## **Informatics Institute of Technology**

Department of Computing

(B.Sc.) in Computer Science

**Module: 5MMCS006C.1**

**Advanced Client-Side Development**

## **ICT Portfolio**

Date : 28/11/2019

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Tutorial Group : Group B

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## ❖ Main.html

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width" />
  <meta name="author" content="Akila Nanayakkara" />
  <meta name="description" content="Space X">
  <title id="title">SpaceX | Welcome</title>
  <link rel="icon" href="/images/spacextitlelogo (1).png" type="image/icon type">
  <link rel="stylesheet" href="/css/css.css" />
</head>

<body>

  <header>
    <div class="container">
      <div id="branding">
        <h1 id="spacexHeading">SpaceX</span></h1>
      </div>
      <nav>
        <ul id="menubar">
          <li class="current"><a href="main.html">Main</a></li>
          <li><a href="about.html">About Us</a></li>
          <li><a href="newsletter.html">Subscribe</a></li>
          <li><a href="blog.html">Blog</a></li>
        </ul>
      </nav>
    </div>
  </header>

  <section id="showcase">
    <div class="container">
      <h1>SERVICE TO EARTH ORBIT, THE MOON, MARS AND BEYOND</h1>
      <p>
        SPACE X DESIGNS, MANUFACTURES AND LAUNCHES ADVANCED ROCKETS AND
        SPACECRAFT
      </p>
    </div>
  </section>

  <section id="boxes">
    <div class="container">
```

```

<div class="box">
  
  <a class="mainPageLinks" href="https://www.spacex.com/falcon-heavy">
    <h3>FALCON HEAVY</h3>
  </a>
  <p class="main-p">THE WORLD'S MOST POWERFUL ROCKET</p>
</div>

<div class="box">
  
  <a class="mainPageLinks" href="https://www.spacex.com/dragon">
    <h3>Dragon</h3>
  </a>

  <p class="main-p">FIRST PRIVATE SPACECRAFT TO THE SPACE STATION</p>
</div>

<div class="box">
  
  <a class="mainPageLinks" href="https://www.spacex.com/starship">
    <h3>Starship</h3>
  </a>
  <p class="main-p">SERVICE TO EARTH ORBIT, THE MOON, MARS AND BEYOND</p>
</div>

<div class="box">
  <!-- tweeter feed -->
  <a class="twitter-timeline" data-width="300" data-height="300" data-theme="dark"
    href="https://twitter.com/SpaceX?ref_src=twsrc%5Etfw">Tweets by SpaceX</a>
  <script async src="https://platform.twitter.com/widgets.js" charset="utf-
8"></script>
</div>
</div>
</section>

<footer>
  <p>
    &copy; 2019 SPACE EXPLORATION TECHNOLOGIES CORP.
  </p>

```

</footer>

</body>

</html>

## ❖ About.html

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width" />
  <meta name="author" content="Akila Nanayakkara" />
  <meta name="description" content="Space X">
  <title id="title">SpaceX | About Us</title>
  <link rel="icon" href="/images/spacextitlelogo (1).png" type="image/icon type">
  <link rel="stylesheet" href="/css/css.css" />
</head>

<body id="not-main-body">

  <header>
    <div class="container">
      <div id="branding">
        <h1 id="spacexHeading">SpaceX</span></h1>
      </div>
      <nav>
        <ul id="menubar">
          <li><a href="main.html">Main</a></li>
          <li class="current"><a href="about.html">About Us</a></li>
          <li><a href="newsletter.html">Subscribe</a></li>
          <li><a href="blog.html">Blog</a></li>
        </ul>
      </nav>
    </div>
  </header>

  <section id="main">
    <div class="container">

      <article id="main-article">
        <h1>About SpaceX</h1>
        <p>SpaceX designs, manufactures and launches advanced rockets and spacecraft. The company was founded in 2002 to revolutionize space technology, with the ultimate goal of enabling people to live on other planets.</p>
        <span><a href="default.asp">
          <!-- .gif picture -->
```

```

    
  </a></span>
  <span><a href="default.asp">
    <!-- .gif picture -->
    
  </a></span>
  <div class="background-article-aside">
    <h4 id="abut-title">Making History</h4>
    <p>
      SpaceX has gained worldwide attention for a series of historic milestones. It is the only private company
      capable of returning a spacecraft from low Earth orbit, which it first accomplished
      in 2010. The company
      made
      history again in 2012 when its Dragon spacecraft became the first commercial spacecraft to deliver cargo to
      and from the International Space Station.
      SpaceX successfully achieved the historic first reflight of an orbital class rocket
      in 2017, and the company
      now regularly launches flight-
      proven rockets. In 2018, SpaceX began launching Falcon Heavy, the world's most
      powerful operational rocket by a factor of two.</p>
    </div>
  </article>

  <aside id="sidebar">
    <div class="background-article-aside">
      <h4 id="abut-title">Advancing The Future</h4>
      <p>As one of the world's fastest growing providers of launch services, SpaceX has secured over 100 missions to
        its manifest, representing over $12 billion on contract. These include commercial satellite launches as well
        as US government missions. SpaceX's Dragon spacecraft is flying numerous cargo resupply missions to the
        space
        station under a series of Commercial Resupply Services contracts. Dragon was designed from the outset to
        carry
        humans to space and will soon fly astronauts under NASA's Commercial Crew Program.
        Building on the achievements of Falcon 9 and Falcon Heavy, SpaceX is working on a next generation of fully

```

reusable launch vehicles that will be the most powerful ever built, capable of carrying humans to Mars and

other destinations in the solar system.</p>

</div>

</aside>

</div>

</section>

<footer>

<p>

&copy; 2019 SPACE EXPLORATION TECHNOLOGIES CORP.

</p>

</footer>

</body>

</html>



## ❖ Blog.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width" />
  <meta name="author" content="Akila Nanayakkara" />
  <meta name="description" content="Space X">
  <title id="title">SpaceX | Blog</title>
  <link rel="icon" href="/images/spacextitlelogo (1).png" type="image/icon type">
  <link rel="stylesheet" href="/css/css.css" />
</head>

<body id="not-main-body">
  <!-- blogs of our company -->
  <header>
    <div class="container">
      <div id="branding">
        <h1 id="spacexHeading">SpaceX</span></h1>
      </div>
      <nav>
        <ul id="menubar">
          <li><a href="main.html">Main</a></li>
          <li><a href="about.html">About Us</a></li>
          <li><a href="newsletter.html">Subscribe</a></li>
          <li class="current"><a href="blog.html">Blog</a></li>
        </ul>
      </nav>
    </div>
  </header>

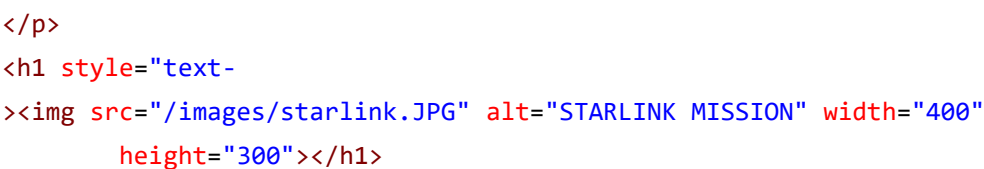
  <section id="main">

    <div class="container">

      <article class="blog-article">
        <h2>STARLINK MISSION</h2>
        <h5><time datetime="2019-11-11"></time>NOVEMBER 11, 2019</h5>
        <p class="article-para">
          SHARE ON GOOGLE+SHARE ON TWITTER
          On Monday, November 11 at 9:56 a.m. EST, 14:56 UTC, SpaceX launched 60 Star
link satellites from
          Space Launch Complex 40 (SLC-
40) at Cape Canaveral Air Force Station, Florida.
```

Falcon 9's first stage supported the Iridium-7, SAOCOM-1A, and Nusantara Satu missions, and the fairing was previously flown on Falcon Heavy's Arabsat-6A mission earlier this year. Following stage separation, SpaceX landed Falcon 9's first stage on the "Of Course I Still Love You" droneship, which was stationed in the Atlantic Ocean. You can watch a replay of launch below and learn more

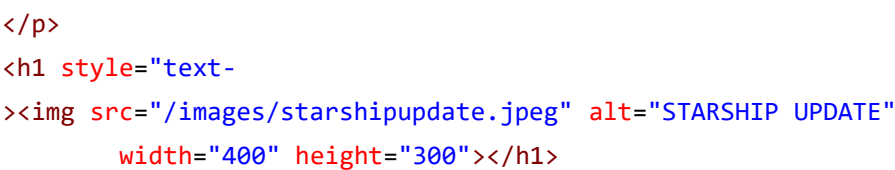
about the mission in our new [press kit](https://www.spacex.com/sites/spacex/files/starlink_press_kit_nov2019.pdf).



**STARSHIP UPDATE**  
SEPTEMBER 29, 2019

SHARE ON GOOGLE+SHARE ON TWITTER

SpaceX's Starship and Super Heavy launch vehicle is a fully, rapidly reusable transportation system designed to carry both crew and cargo to Earth orbit, the Moon, Mars, and anywhere else in the solar system. On Saturday, September 28 at our launch facility in Cameron County, Texas, SpaceX Chief Engineer and CEO Elon Musk provided an update on the design and development of Starship. You can watch a replay of update below and learn more about the vehicle at [spacex.com/starship](https://www.spacex.com/starship).



**DRAGON RESUPPLY MISSION (CRS-18) SPLASHDOWN**  
AUGUST 29, 2019

Packed with about 3,300 pounds of cargo and science, SpaceX's Dragon spacecraft departed the International Space Station on Tuesday, August 27. A parachute-assisted splashdown in the Pacific Ocean occurred that afternoon just west of Baja, California. A recovery team then secured Dragon on a boat for the return trip to the Port of Los Angeles, wrapping up SpaceX's 18th resupply mission to the space station.

Filled with approximately 5,000 pounds of supplies and payloads, Dragon launched aboard a Falcon 9 rocket on July 25, 2019 from Cape Canaveral Air Force Station in Florida, and arrived at the space station on July 27. The Dragon spacecraft supporting the CRS-18 mission previously supported the CRS-6 mission in April 2015 and the CRS-13 mission in December 2017. Dragon is the only spacecraft currently flying that is capable of returning significant amounts of cargo to Earth.

</p>  
<h1 style="text-align: center ;"></h1>  
</article>

<article class="blog-article">  
<h2>AMOS-17 MISSION</h2>  
<h5><time datetime="2019-08-06"></time>AUGUST 06, 2019</h5>  
<p class="article-para">  
On Tuesday, August 6, SpaceX's Falcon 9 rocket successfully lifted off from Space Launch Complex 40 (SLC-40) at Cape Canaveral Air Force Station, Florida, carrying the AMOS-17 satellite for Spacecom.  
Liftoff occurred at 7:23 p.m. EDT, or 23:23 UTC and the satellite was deployed approximately 31 minutes after liftoff.

This was the third and final flight for this particular Falcon 9 first stage, having previously supported the Telstar-19 VANTAGE mission in July 2018 and the Es'hail-2 mission in November 2018.

You can watch a replay of launch webcast below and learn more about the mission in our

[https://www.spacex.com/sites/spacex/files/amos-17\\_mission\\_press\\_kit\\_8\\_6\\_2019.pdf](https://www.spacex.com/sites/spacex/files/amos-17_mission_press_kit_8_6_2019.pdf)>press kit.</a>

</p>

<h1 style="text-align: center ;"></h1>

</article>

<article class="blog-article">

<h2>DRAGON ARRIVES AT THE INTERNATIONAL SPACE STATION</h2>

<h5><time datetime="2019-07-27"></time>JULY 27, 2019

</h5>

<p class="article-para">

Dragon arrived at the International Space Station on July 27, 2019 and was captured at 6:11 a.m. PDT

while flying about 267 statute miles over the coast of southern Chile. The spacecraft was then

installed on the Harmony module for the duration of its four-week stay at the orbiting laboratory.

Filled with approximately 5,000 pounds of supplies and payloads, Dragon launched aboard a Falcon 9

rocket on July 25, 2019 from Cape Canaveral Air Force Station in Florida. The Dragon spacecraft

supporting the CRS-18 mission previously supported the CRS-6 mission in April 2015 and the CRS-13

mission in December 2017. Dragon is the only spacecraft currently flying that's capable of returning

significant amounts of cargo to Earth.

</p>

<h1 style="text-align: center ;"></h1>

</article>

<article class="blog-article">

<h2>DRAGON RESUPPLY MISSION (CRS-18) LAUNCH</h2>

<h5><time datetime="2019-07-25"></time>JULY 25, 2019

</h5>

<p class="article-para">

At 6:01 p.m. EDT, or 22:01 UTC, on Thursday, July 25, SpaceX launched its eighteenth Commercial Resupply Services mission (CRS-18) from Space Launch Complex 40 (SLC-40) at Cape Canaveral Air Force Station, Florida. Dragon separated from Falcon 9's second stage about nine minutes after liftoff.

The Dragon spacecraft supporting the CRS-18 mission previously supported the CRS-6 mission in April 2015 and the CRS-13 mission in December 2017. Following stage separation, SpaceX recovered Falcon 9's first stage on Landing Zone 1 (LZ-1) at Cape Canaveral Air Force Station, Florida. You can watch a replay of the launch webcast below and find out more about the mission in our

```
<a href="https://www.spacex.com/sites/spacex/files/crs-18_mission_press_kit_1.pdf">press
kit.</a>
</p>
<h1 style="text-align: center ;"></h1>
</article>

<button onclick="topFunction()" id="myBtn" title="Go to top">Top</button>
</div>

</section>

<footer>
<p>
&copy; 2019 SPACE EXPLORATION TECHNOLOGIES CORP.
</p>
</footer>

<script>
// button to go to the top of the page
//Get the button
var mybutton = document.getElementById("myBtn");

// When the user scrolls down 20px from the top of the document, show the button
window.onscroll = function () { scrollFunction() };

function scrollFunction() {
```

```
    if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {  
        mybutton.style.display = "block";  
    } else {  
        mybutton.style.display = "none";  
    }  
}  
  
// When the user clicks on the button, scroll to the top of the document  
function topFunction() {  
    document.body.scrollTop = 0;  
    document.documentElement.scrollTop = 0;  
}  
</script>  
</body>  
</html>
```

## ❖ Newsletter.html

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width" />
  <meta name="author" content="Akila Nanayakkara" />
  <meta name="description" content="Space X">
  <title id="title">SpaceX | Subscribe</title>
  <link rel="icon" href="/images/spacextitlelogo (1).png" type="image/icon type">
  <link rel="stylesheet" href="/css/css.css" />
</head>

<body id="not-main-body">

  <header>
    <div class="container">
      <div id="branding">
        <h1 id="spacexHeading">SpaceX</span></h1>
      </div>
      <nav>
        <ul id="menubar">
          <li><a href="main.html">Main</a></li>
          <li><a href="about.html">About Us</a></li>
          <li class="current"><a href="newsletter.html">Subscribe</a></li>
          <li><a href="blog.html">Blog</a></li>
        </ul>
      </nav>
    </div>
  </header>

  <section id="main">
    <div class="news-container">
      <article id="main-col-news">
        <h1 id="news-title">Services</h1>
        <!-- services we provide -->
        <ul id="services">
          <li>
            
            <h3>ENGINEERING</h3>
            <p class="newsletter-p">Design and code the world's most advanced rockets and spacecraft taking
```

```

        humanity to Earth
        orbit, the Moon, Mars, and beyond.</p>
    </li>
    <li>
        

        <h3>MANUFACTURING</h3>
        <p class="newsletter-
p">Make multiplanetary space travel a reality by building advanced space
        vehicles at unmatched
        production rates and vastly reduced costs.</p>
    </li>
    <li>
        

        <h3>OPERATIONS</h3>
        <p class="newsletter-
p">Advance critical business relationships externally and keep SpaceX
        internal operations and
        information systems moving forward.</p>
    </li>
</ul>
</article>

<aside id="sidebar-news">
    <div class="dark-news">
        <h3>Subscribe to our news letter</h3>
        <!-- newsletter form -->
        <form class="quote-news">
            <div>
                <label>First Name</label><br>
                <input type=" text" placeholder="First Name">
            </div>

            <div>
                <label>Last Name</label><br>
                <input type=" text" placeholder="Last Name">
            </div>

            <div>
                <label>
                    <Address></Address>
                </label><br>
                <input type=" text" placeholder="Address">
            </div>
        </form>
    </div>
</aside>

```



```

        </div>

        <div>
            <label>Email</label><br>
            <input type="email" placeholder="Email Address">
        </div>

        <div id="selector">
            <span><label>Are you a student? </label>
            </span>
            <select name="cars">
                <option value="yes">Yes</option>
                <option value="no">No</option>
            </select></div>

        <div>
            <label>Message</label><br>
            <textarea placeholder="Message"></textarea>
        </div>

        <button type="button" onclick="alert('Thank you for subscribing us.')">
Submit</button>
    </form>
</div>
</aside>
</div>
</section>

<footer>
    <p>
        &copy; 2019 SPACE EXPLORATION TECHNOLOGIES CORP.
    </p>
</footer>

</body>

</html>

```

## ❖ CSS

```
/* Importing special fonts */
@font-face {
  font-family: "spaceage";
  src: url(/fonts/spaceage/space\ age.otf);
  font-style: normal;
  font-weight: 100;
}

@font-face {
  font-family: "autodestructbb_bold";
  src: url(/fonts/autodestruct-bb/autodestructbb_bold.ttf);
  font-style: normal;
  font-weight: 100;
}

@import url("https://fonts.googleapis.com/css?family=Knewave&display=swap");
@import url("https://fonts.googleapis.com/css?family=Indie+Flower&display=swap");

/* key frames for the animations and transformations */
@keyframes change {
  0% {
    background-position: 0 50%;
  }
  50% {
    background-position: 100% 50%;
  }
  100% {
    background-position: 0 50%;
  }
}

@-webkit-keyframes swing {
  15% {
    -webkit-transform: translateX(5px);
    transform: translateX(5px);
  }
  30% {
    -webkit-transform: translateX(-5px);
    transform: translateX(-5px);
  }
  50% {
    -webkit-transform: translateX(3px);
    transform: translateX(3px);
  }
}
```

```

}
65% {
    -webkit-transform: translateX(-3px);
    transform: translateX(-3px);
}
80% {
    -webkit-transform: translateX(2px);
    transform: translateX(2px);
}
100% {
    -webkit-transform: translateX(0);
    transform: translateX(0);
}
}
@keyframes swing {
    15% {
        -webkit-transform: translateX(5px);
        transform: translateX(5px);
    }
    30% {
        -webkit-transform: translateX(-5px);
        transform: translateX(-5px);
    }
    50% {
        -webkit-transform: translateX(3px);
        transform: translateX(3px);
    }
    65% {
        -webkit-transform: translateX(-3px);
        transform: translateX(-3px);
    }
    80% {
        -webkit-transform: translateX(2px);
        transform: translateX(2px);
    }
    100% {
        -webkit-transform: translateX(0);
        transform: translateX(0);
    }
}
@keyframes animate {
    0% {
        background-position: -500%;
    }

```

```

    }
    100% {
        background-position: 500%;
    }
}

/* Main page css */
li:first-child{
    color: red;
}

body {
    margin-top: 20px;
    font-size: 15px;
    line-height: 1.5;
    padding: 0;
    margin: 0;
}

.container {
    width: 90%;
    margin: auto;
    overflow: hidden;
}

header #branding {
    float: left;
    margin: 0;
}

[class^="boxs"] {
    background: transparent;
}

#spacexHeading {
    font-family: spaceage;
}

#menubar {
    font-family: "Knewave", cursive;
    color: white;
}

/*making the font color blue of the

```

```

current page in the menu bar*/
header .current a {
    color: rgb(0, 67, 144);
    font-weight: bold;
}

ul {
    margin: 0;
    padding: 0;
}

header {
    background: black;
    color: #ffffff;
    padding-top: 10px;
    min-height: 10px;
    border-bottom: red 2px solid;
}

header a {
    color: white;
    text-decoration: none;
    text-transform: uppercase;
    font-size: 20px;
}

header li {
    display: inline;
    padding: 0 20px 0 20px;
}

header nav {
    float: right;
    margin-top: 25px;
}

header a:hover {
    text-decoration: underline;
    color: rgb(36, 36, 44);
    font-weight: bold;
}

#showcase {
    font-family: autodestructbb_bold;

```

```

text-shadow: 2px 2px black;
min-height: 400px;
background: url(../images/spacex.jpg) no-repeat -100px -680px;
text-align: center;
color: white;
border-bottom: red 2px solid;
}

#showcase h1 {
margin-top: 100px;
font-size: 55px;
margin-bottom: 10px;
}

#showcase p {
font-size: 20px;
}

[title~=picture] {
border: 5px solid rgb(189, 189, 189);
}

/*animated gradient*/
#boxes {
background: linear-gradient(
132deg,
rgb(0, 119, 255),
rgb(78, 77, 77),
rgb(0, 0, 0),
rgb(0, 119, 255)
);
background-size: 400% 400%;
position: relative;
animation: change 20s ease infinite;
}

#boxes .box {
float: left;
width: 23%;
text-align: center;
padding: 10px;
color: white;
}

```

```

.mainPageImages:hover {
  -webkit-animation: swing 1s ease;
  animation: swing 1s ease;
  -webkit-animation-iteration-count: 1;
  animation-iteration-count: 1;
}

.mainPageLinks {
  color: white;
}

.mainPageLinks:hover {
  text-decoration: none;
  font-weight: bold;
}

.main-p::first-letter{
  font-size: 25px;
}

footer {
  border-top: red 2px solid;
  font-size: 10px;
  padding: 0.5px;
  margin-top: 0px;
  color: #ffffff;
  background-color: black;
  text-align: center;
}

/*about us page css*/
#not-main-body {
  background-color: rgb(185, 185, 185);
}

nav:last-child{
  color: red;
}

article#main-article {
  float: left;
  width: 65%;
  font-size: 18px;
  text-align: justify;
}

```

```

    font-family: "Indie Flower", cursive;
}

.background-article-aside {
    padding: 15px;
    background: #464545;
    color: #ffffff;
    margin-top: 5px;
    margin-bottom: 5px;
    text-shadow: 1px 2px black;
}

/*title animation*/
#abut-title {
    text-align: center;
    position: relative;
    font-family: sans-serif;
    text-transform: uppercase;
    font-size: 15px;
    letter-spacing: 4px;
    overflow: hidden;
    background: linear-gradient(90deg, #000, #fff, #000);
    background-repeat: no-repeat;
    background-size: 80%;
    animation: animate 3s linear infinite;
    -webkit-background-clip: text;
    -webkit-text-fill-color: rgba(255, 255, 255, 0);
}

aside#sidebar {
    float: right;
    width: 30%;
    margin-top: 10px;
    font-size: 18px;
    text-align: justify;
    font-family: "Indie Flower", cursive;
}

/*newsletter css*/
.news-container {
    width: 80%;
    margin: auto;
    overflow: hidden;
}

```



```

article#main-col-news {
    float: left;
    width: 40%;
}

#news-title{
    font-size: 25px;
}

ul#services li {
    text-align: center;
    text-shadow:0.5px 0.5px black;
    list-style: none;
    padding: 4px;
    border: #806c6c solid 1px;
    margin-bottom: 5px;
    background: #b8b7be;
}

.newsletter-p::first-letter{
    font-size: 25px;
}

aside#sidebar-news {
    float: right;
    width: 30%;
    margin-top: 55px;
}

.dark-news {
    padding: 15px;
    background: #35424a;
    color: #ffffff;
    margin-top: 10px;
    margin-bottom: 10px;
}

aside#sidebar-news .quote-news input,
aside#sidebar-news .quote-news textarea {
    width: 90%;
    padding: 5px;
}

```

```

/*blog page css*/
.blog-article{
    padding: 15px;
    background: #464545;
    color: #ffffff;
    margin-top: 5px;
    margin-bottom: 5px;
}

.article-para{
    font-size: 20px;
    text-align: justify;
}

/* :not(.newsletter-p) {
    color: white;
} */

#myBtn {
    display: none;
    position: fixed;
    bottom: 20px;
    right: 30px;
    z-index: 99;
    border: none;
    outline: none;
    background-color: red;
    color: white;
    cursor: pointer;
    padding: 15px;
    border-radius: 10px;
    font-size: 18px;
}

#myBtn:hover {
    background-color: #555;
}

```

# SERVICE TO EARTH ORBIT, THE MOON, MARS AND BEYOND

SPACE X DESIGNS, MANUFACTURES AND LAUNCHES ADVANCED ROCKETS AND SPACECRAFT



FALCON HEAVY

THE WORLD'S MOST POWERFUL ROCKET



Dragon

FIRST PRIVATE SPACECRAFT TO THE SPACE STATION



Starship

SERVICE TO EARTH ORBIT, THE MOON, MARS AND BEYOND



## About SpaceX

SpaceX designs, manufactures and launches advanced rockets and spacecraft. The company was founded in 2002 to revolutionize space technology, with the ultimate goal of enabling people to live on other planets.



### MAKING HISTORY

SpaceX has gained worldwide attention for a series of historic milestones. It is the only private company capable of returning a spacecraft from low Earth orbit, which it first accomplished in 2010. The company made history again in 2012 when its Dragon spacecraft became the first commercial spacecraft to deliver cargo to and from the International Space Station. SpaceX successfully achieved the historic first reflight of an orbital class rocket in 2017, and the company now regularly launches flight-proven rockets. In 2018, SpaceX began launching Falcon Heavy, the world's most powerful operational rocket by a factor of two.

### ADVANCING THE FUTURE

As one of the world's fastest growing providers of launch services, SpaceX has secured over 100 missions to its manifest, representing over \$12 billion on contract. These include commercial satellite launches as well as US government missions. SpaceX's Dragon spacecraft is flying numerous cargo resupply missions to the space station under a series of Commercial Resupply Services contracts. Dragon was designed from the outset to carry humans to space and will soon fly astronauts under NASA's Commercial Crew Program. Building on the achievements of Falcon 9 and Falcon Heavy, SpaceX is working on a next generation of fully reusable launch vehicles that will be the most powerful ever built, capable of carrying humans to Mars and other destinations in the solar system.

## Services



## ENGINEERING

Design and code the world's most advanced rockets and spacecraft taking humanity to Earth orbit, the Moon, Mars, and beyond.



## MANUFACTURING

Make multiplanetary space travel a reality by building advanced space vehicles at unmatched production rates and vastly reduced costs.



## OPERATIONS

Advance critical business relationships externally and keep SpaceX internal operations and information systems moving forward.

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## STARLINK MISSION

NOVEMBER 11, 2019

SHARE ON GOOGLE+SHARE ON TWITTER On Monday, November 11 at 9:56 a.m. EST, 14:56 UTC, SpaceX launched 60 Starlink satellites from Space Launch Complex 40 (SLC-40) at Cape Canaveral Air Force Station, Florida. Falcon 9's first stage supported the Iridium-7, SAOCOM-1A, and Nusantara Satu missions, and the fairing was previously flown on Falcon Heavy's Arabsat-6A mission earlier this year. Following stage separation, SpaceX landed Falcon 9's first stage on the "Of Course I Still Love You" droneship, which was stationed in the Atlantic Ocean. You can watch a replay of launch below and learn more about the mission in our new [press kit](#).



## STARSHIP UPDATE

SEPTEMBER 29, 2019