



MODULE-10

BUILDING WEBSITE TOUR

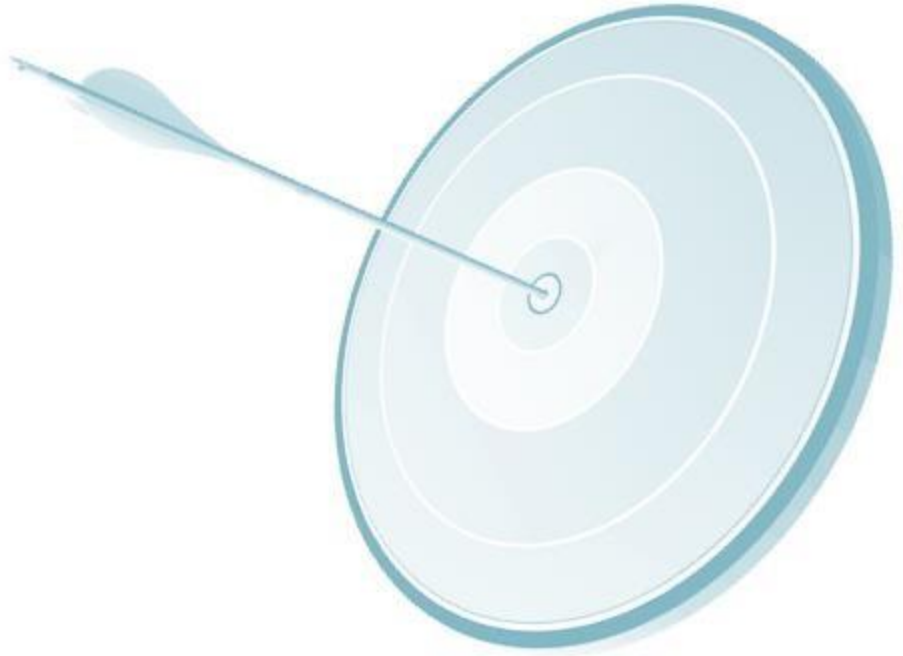
Course Topics

- **Module 1**
 - » Deploying the first Website to Amazon S3
- **Module 2**
 - » Creating web pages with HTML5
- **Module 3**
 - » Styling web pages using CSS
- **Module 4**
 - » CSS3 effects and animations
- **Module 5**
 - » Handling events with JavaScript
- **Module 6**
 - » Twitter Bootstrap 3
- **Module 7**
 - » Twitter Bootstrap 3 Project
- **Module 8**
 - » Bootstrap ScrollSpy, jQuery and jQuery UI
- **Module 9**
 - » Ajax, Google APIs, Social Plugins
- **Module 10**
 - » **Project - Building Website Tour**

Objectives

At the end of this module, you will be able to:

- Use Bootstrap Tour Plugin
- Define tour in JavaScript file
- Integrate Bootstrap Tour in project

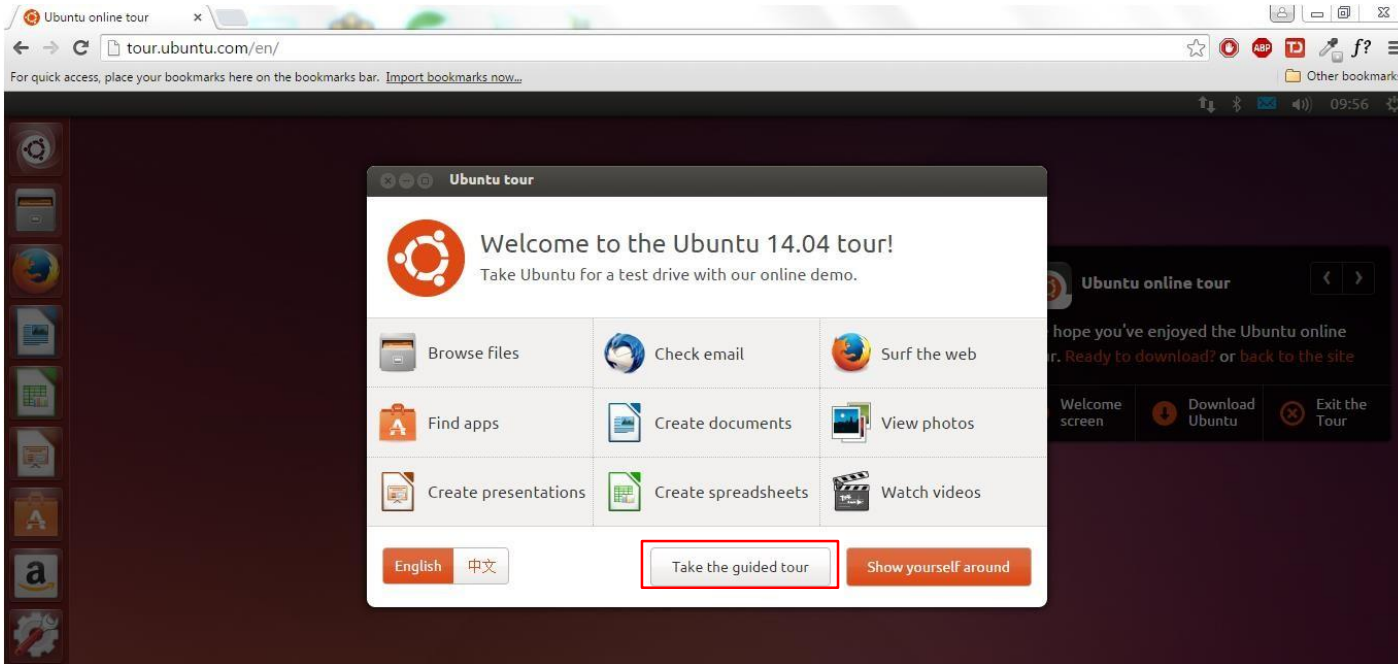


Website Tours

- You might have seen website tours while browsing the web
- If you are not sure what website tours are, take a tour at <http://tour.ubuntu.com/en/>
- Ubuntu is a Linux operating system, above tour explains all the features of Ubuntu step by step
- Website tours helps introducing new users to your product/website by walking them through it step by step

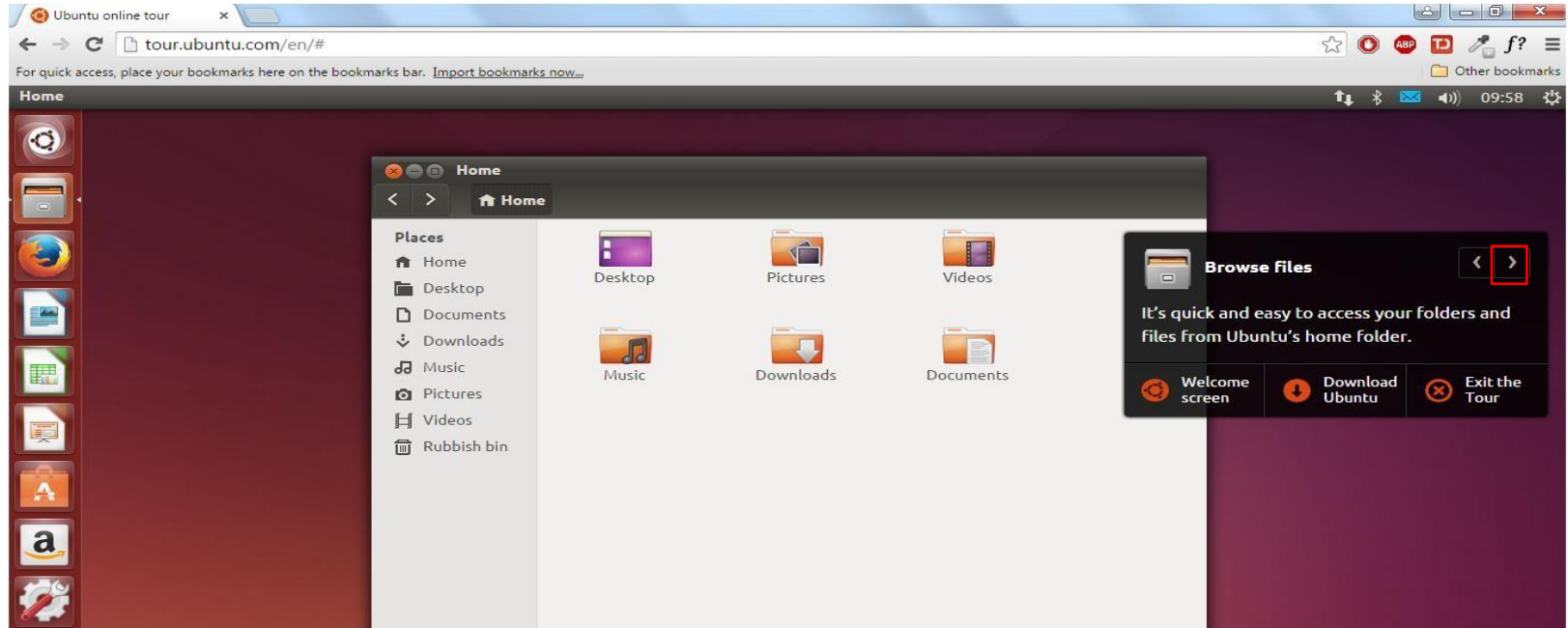
Ubuntu Tour

→ When you visit <http://tour.ubuntu.com/en/> you will be able to take a tour as shown below, click on [Take the guided tour](#) button



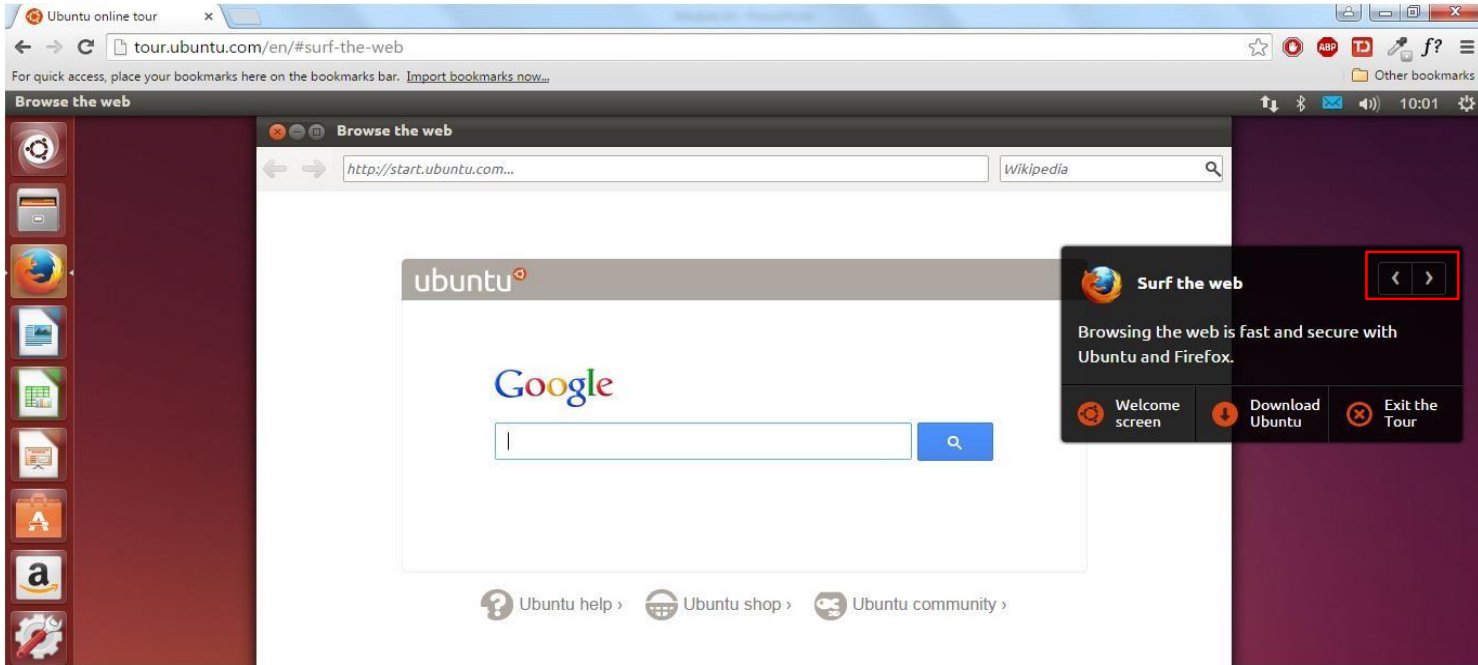
Ubuntu Tour – Browse Files

→ Once you click on Take the [Guided tour button](#) your [Ubuntu Tour](#) will start as shown below. To move ahead in the tour click on [> icon](#)



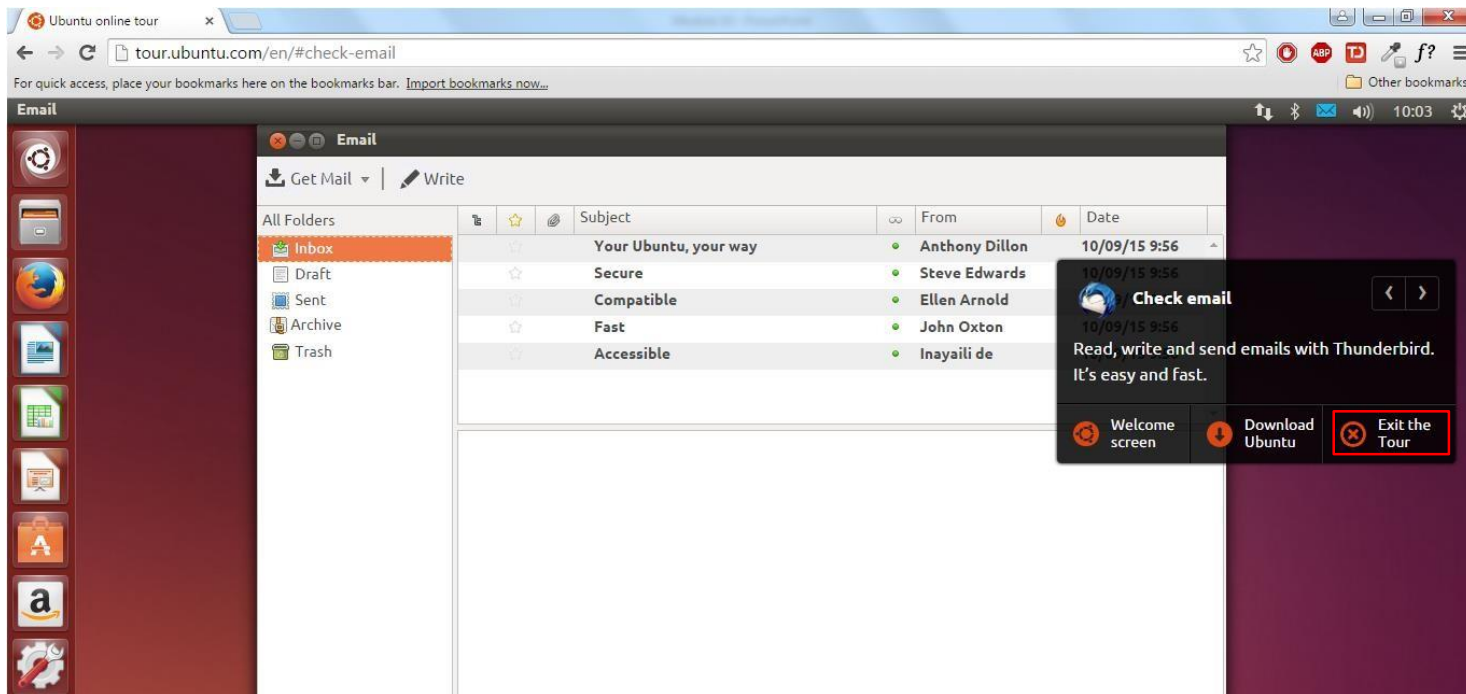
Ubuntu Tour – Surf the Web

→ On clicking on > [icon](#) you will be introduced to Ubuntu features one by one , note that you can also go back in a tour by clicking > [icon](#)



Ubuntu Tour – Check Email

→ Note that you can end the tour at anytime by clicking [Exit the Tour](#) button



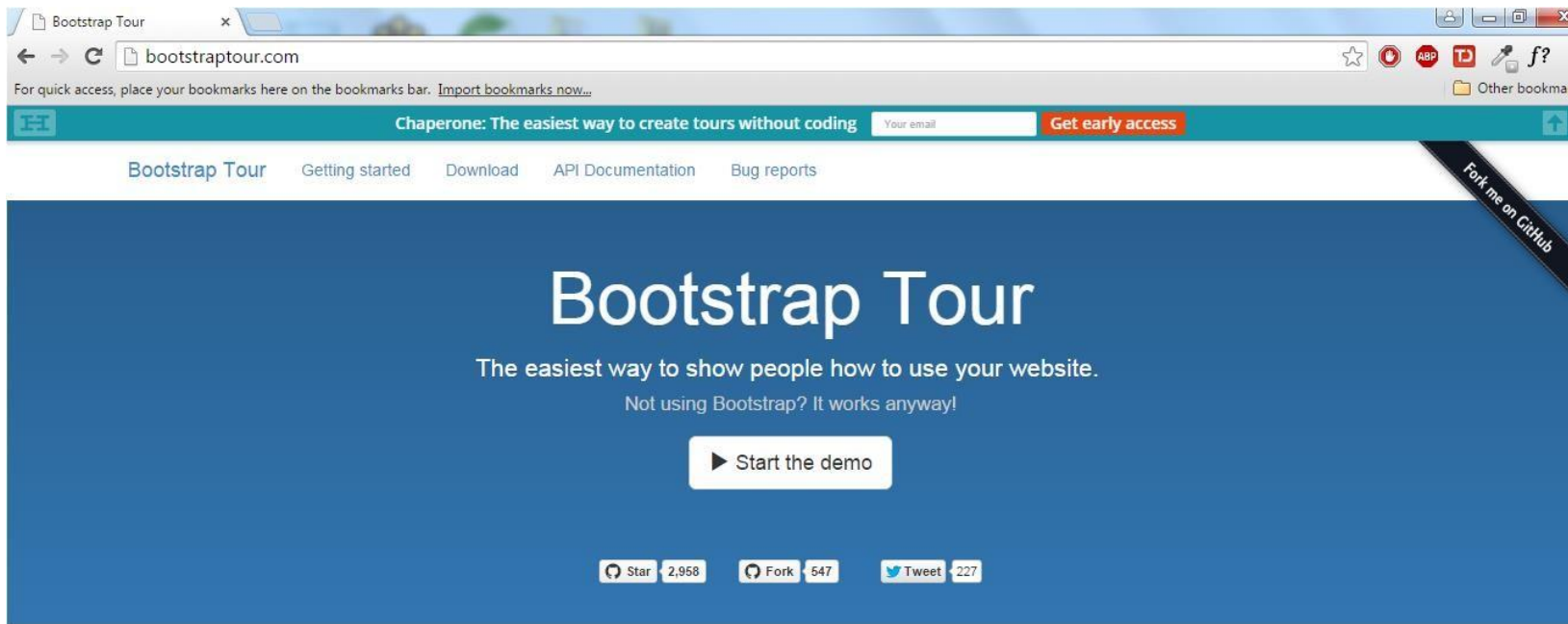
Bootstrap Tour

- Now we know what a website tour is, lets create a website tour
- To create the website tour we are going to use [Bootstrap Tour jQuery plugin](#), which makes it easy to build interactive walkthroughs with minimal amount of declarative JavaScript



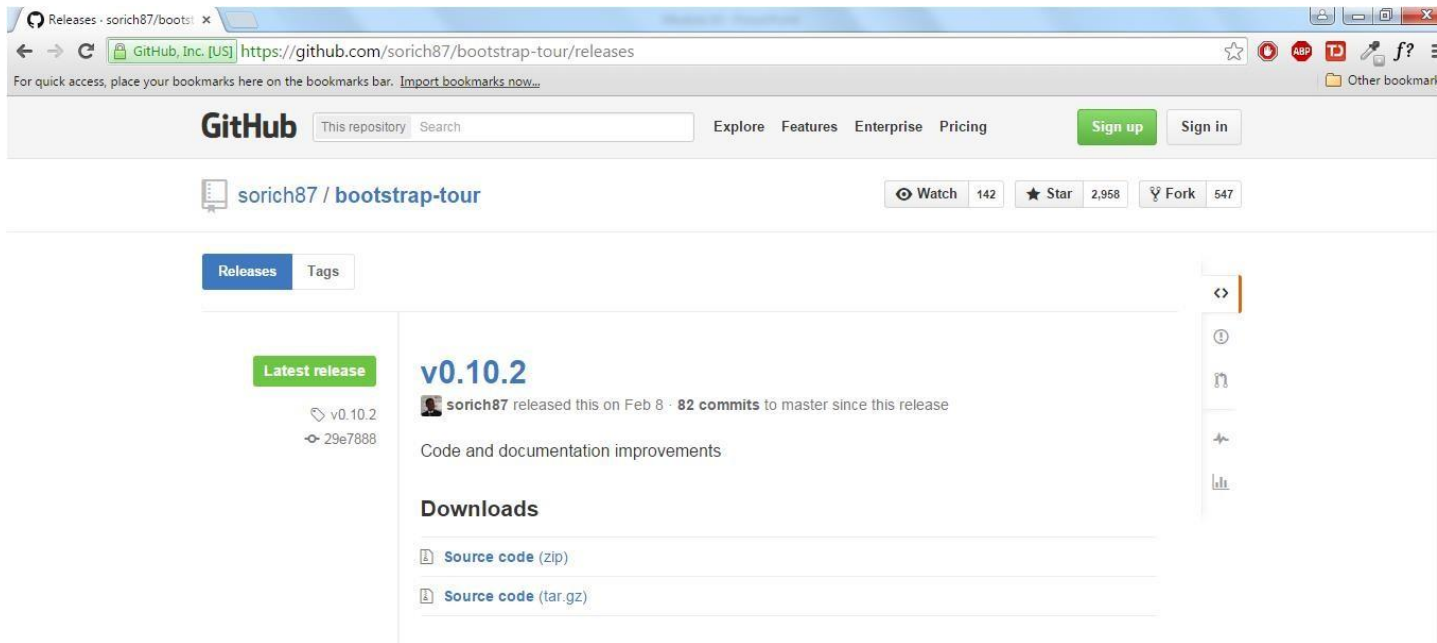
Bootstrap Tour (Contd.)

→ To use bootstrap tour plugin we need to download the CSS and JavaScript files. To download those files go to <http://bootstraptour.com/> and click on [Download](#) link on the menu bar



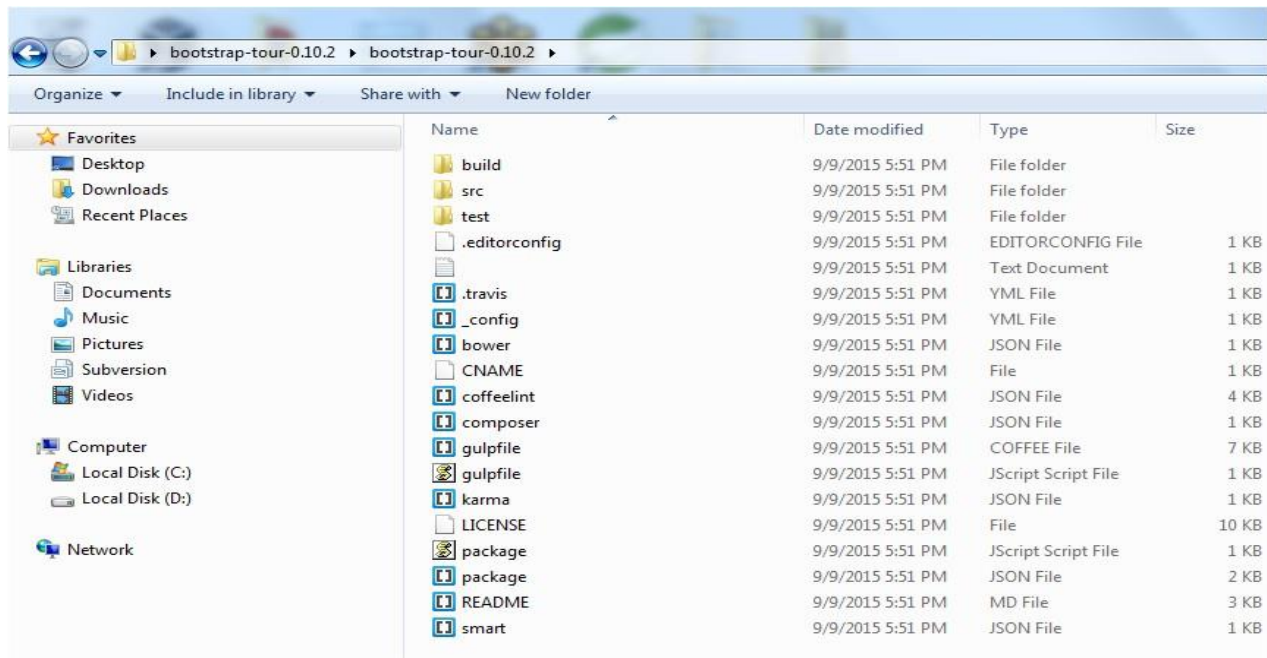
Bootstrap Tour (Contd.)

→ On clicking the Download link you will be taken to GitHub page of bootstrap tour , just click on Source Code (zip) to download the required **CSS and JS file** as shown below



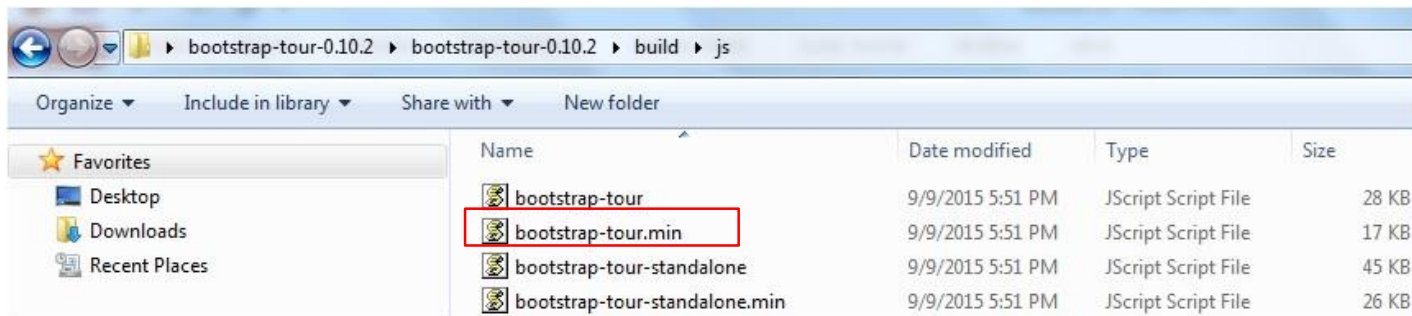
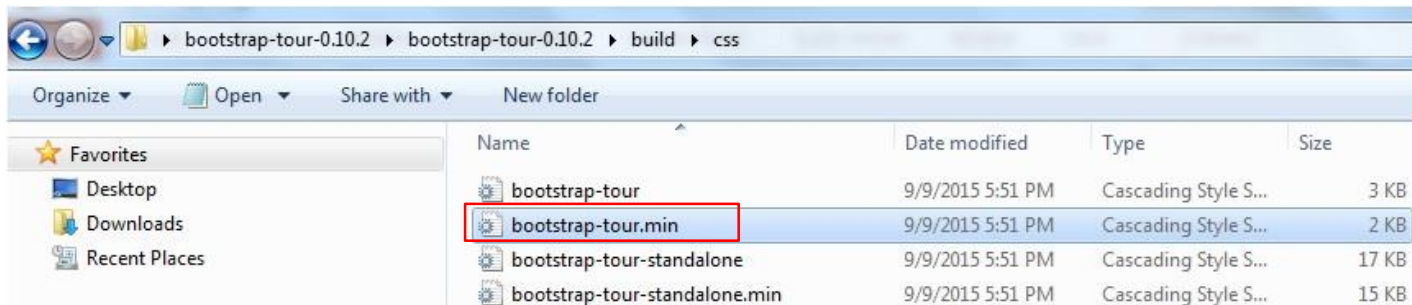
Bootstrap Tour (Contd.)

→ Once downloaded extract the zip and you will be able to see the contents of [bootstrap-tour zip](#)



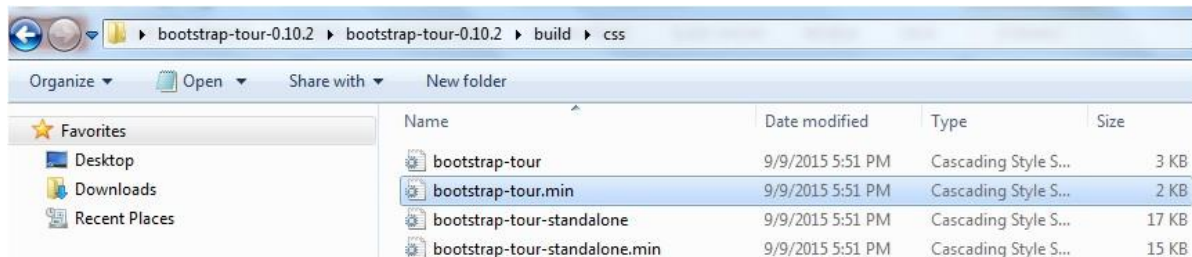
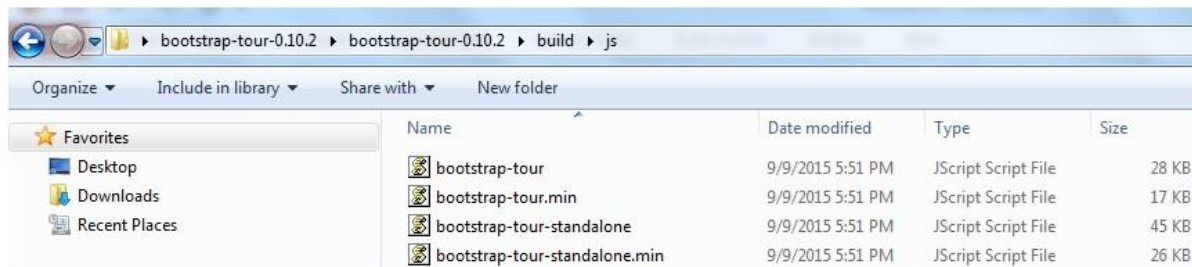
Bootstrap Tour (Contd.)

→ We will require [build/css/bootstrap-tour.min.css](#) and [build/js/bootstrap-tour.min.js](#) files as



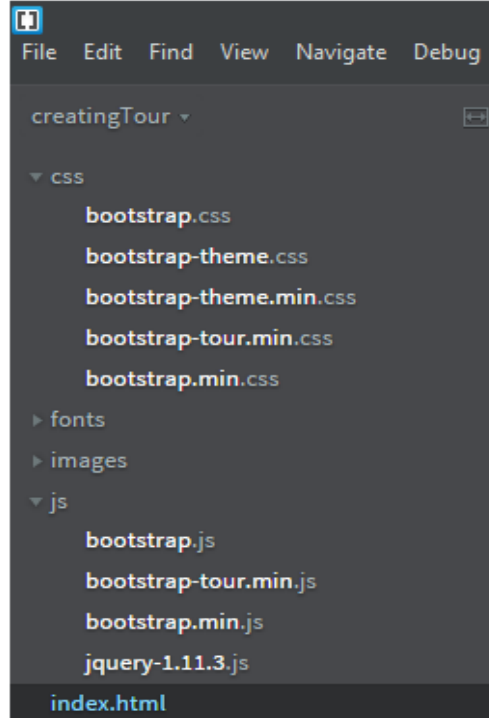
Bootstrap Tour (Contd.)

→ If you are not using bootstrap for building your website you can simply use [bootstrap-tour-standalone.min.css](#) and [bootstrap-tour-standalone.min.js](#) files for just creating bootstrap tour for your website



Getting Started with Bootstrap Tour

→ Once we have downloaded the required files we are ready to use bootstrap tour, below is the project structure in Adobe Brackets IDE



Getting Started with Bootstrap Tour (Contd.)

→ Below is index.html file including all the required CSS and JS files. Note that we just have a bootstrap row containing three columns each with size 4

```
<!DOCTYPE html>
<html>
<head>
  <link type="text/css" rel="stylesheet" href="css/bootstrap.min.css" />
  <link type="text/css" rel="stylesheet" href="css/bootstrap-tour.min.css" />
</head>

<body><br/><br/><br/><br/><br/> <br/><br/>
  <div class="container">
    <div class="row">
      <div class="col-md-4">
        <h2>Live classes</h2>
        <p>Learn from our Experts and get Real-Time Guidance </p>
      </div>

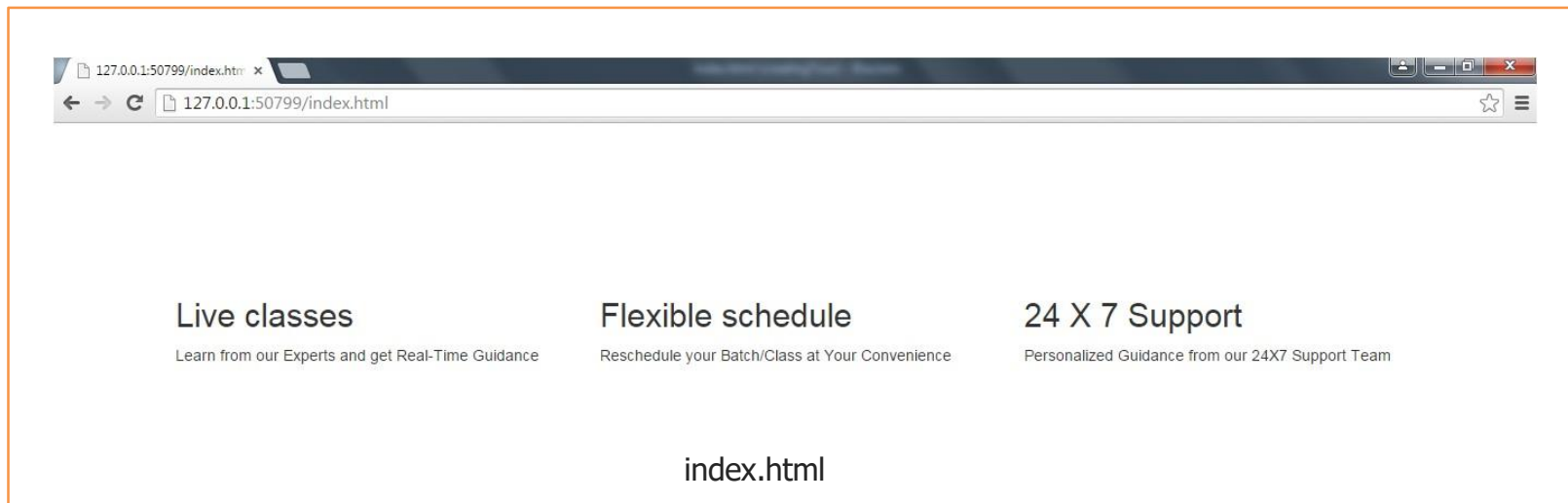
      <div class="col-md-4">
        <h2>Flexible schedule</h2>
        <p>Reschedule your Batch/Class at Your Convenience </p>
      </div>

      <div class="col-md-4">
        <h2>24 X 7 Support</h2>
        <p>Personalized Guidance from our 24X7 Support Team </p>
      </div>
    </div>
  </div>

  <script src="js/jquery-1.11.3.js"></script>
  <script src="js/bootstrap.js"></script>
  <script src="js/bootstrap-tour.min.js"></script>
</body>
</html>
```


Getting Started with Bootstrap Tour (Contd.)

→ Below is the snapshot of what your [index.html](#) page will look like




→ Next we are going to [define](#) the tour for index.html in a JavaScript file tour.js

Getting Started with Bootstrap Tour (Contd.)

- In tour.js we first create an instance of Tour, add steps for the tour (currently there is only one step) and then initialize the tour by calling init() method
- In the end we start the tour using start() method

```
(function(){  
    var tour = new Tour();  
    tour.addSteps([  
        {  
            element: ".tour-step.tour-step-one",  
            placement: "bottom",  
            title: "Welcome to edureka!",  
            content: "We offer Live Classes",  
        }  
    ]);  
  
    // Initialize the tour  
    tour.init();  
    // Start the tour  
    tour.start();  
})();
```

tour.js



Note that element attribute for the first step is tour-step.tour-step-one which should be the same as the class of the element on which first step of the tour will be shown

Getting Started with Bootstrap Tour (Contd.)

→ Note that we have included tour.js and set the class for the first bootstrap column to `tour-step tour-step-one`

```
<!DOCTYPE html>
<html>
<head>
  <link type="text/css" rel="stylesheet" href="css/bootstrap.min.css" />
  <link type="text/css" rel="stylesheet" href="css/bootstrap-tour.min.css" />
</head>

<body><br/><br/><br/><br/> <br/><br/>
  <div class="container">
    <div class="row">
      <div class="tour-step tour-step-one col-md-4">
        <h2>Live classes</h2>
        <p>Learn from our Experts and get Real-Time Guidance </p>
      </div>

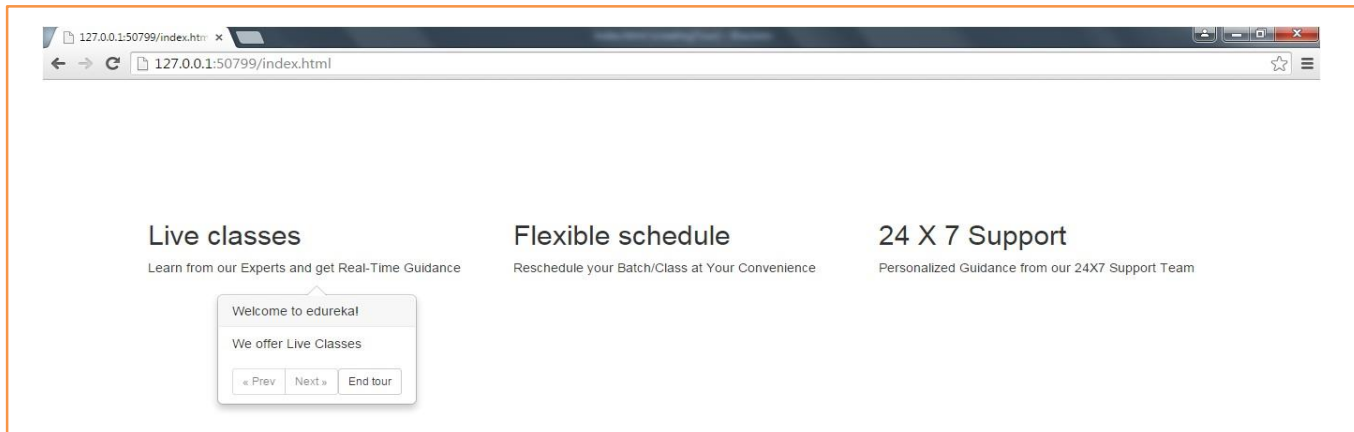
      <div class="col-md-4">
        <h2>Flexible schedule</h2>
        <p>Reschedule your Batch/Class at Your Convenience </p>
      </div>

      <div class="col-md-4">
        <h2>24 X 7 Support</h2>
        <p>Personalized Guidance from our 24X7 Support Team </p>
      </div>
    </div>
  </div>
  <script src="js/jquery-1.11.3.js"></script>
  <script src="js/bootstrap.js"></script>
  <script src="js/bootstrap-tour.min.js"></script>
  <script src="js/tour.js"></script>
</body>
</html>
```

index.html

Getting Started with Bootstrap Tour (Contd.)

→ Now when you [load index.html](#) page first step of tour will be shown at bottom of the first bootstrap column as shown below



Note that bootstrap-tour provides three buttons (Prev, Next, End Tour) for each tour step. Prev and Next buttons will be disabled for the first step of the tour and you can end the tour at any step as shown above

Getting Started with Bootstrap Tour (Contd.)

→ Lets add two more steps to the tour

```
(function(){  
  var tour = new Tour({  
    storage : false  
  });  
  tour.addSteps([  
    {  
      element: ".tour-step.tour-step-one",  
      placement: "bottom",  
      title: "Welcome to edureka!",  
      content: "We offer Live Classes",  
    },  
    {  
      element: ".tour-step.tour-step-two",  
      placement: "bottom",  
      title: "Welcome to edureka!",  
      content: "You can change your batch at anytime"  
    },  
    {  
      element: ".tour-step.tour-step-three",  
      placement: "bottom",  
      title: "Welcome to edureka!",  
      content: "We provide 24/7 support to our customer"  
    }  
  ])  
  // Initialize the tour  
  tour.init();  
  // Start the tour  
  tour.start();  
})();
```

tour.js

→ We have defined two more steps to the tour and we have also **set storage attribute** to false while creating Tour instance so that tour starts at the beginning every time when the page loads

Getting Started with Bootstrap Tour (Contd.)

→ Below we have applied the tour classes to the appropriate div elements

```
<div class="container">
  <div class="row">
    <div class="tour-step tour-step-one col-md-4">
      <h2>Live classes</h2>
      <p>Learn from our Experts and get Real-Time Guidance </p>
    </div>

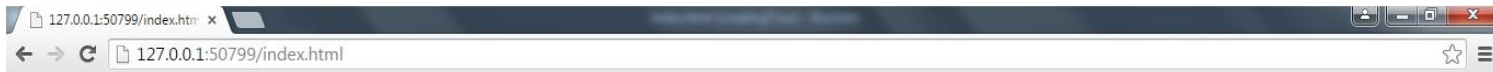
    <div class="tour-step tour-step-two col-md-4">
      <h2>Flexible schedule</h2>
      <p>Reschedule your Batch/Class at Your Convenience </p>
    </div>

    <div class="tour-step tour-step-three col-md-4">
      <h2>24 X 7 Support</h2>
      <p>Personalized Guidance from our 24X7 Support Team </p>
    </div>
  </div>
</div>
```

index.html

Getting Started with Bootstrap Tour (Contd.)

→ Note that **Prev button** will be disabled for first step similarly **Next button** will be disabled for last step of the tour



Live classes

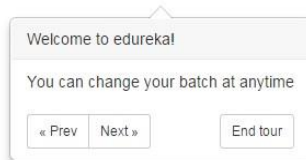
Learn from our Experts and get Real-Time Guidance

Flexible schedule

Reschedule your Batch/Class at Your Convenience

24 X 7 Support

Personalized Guidance from our 24X7 Support Team



Customizing the Tour

→ Next we are going to **customize** our bootstrap tour according to user by asking user's name on start of the tour

```
var name = "Jason";
var tour = new Tour({
  storage : false
});
tour.addSteps([
  {
    element: ".tour-step.tour-step-one",
    placement: "bottom",
    title: "Welcome to edureka!",
    content: "We would like to know your name? <br><input class='form-control' type='text' name='your_name'>",
    onNext : function(tour){
      var nameProvided = $("input[name=your_name]").val();
      if ($.trim(nameProvided) !== ""){
        name = nameProvided;
      }
    }
  },
  {
    element: ".tour-step.tour-step-two",
    placement: "bottom",
    title: function(){ return "Welcome to edureka! , " + name; },
    content: "You can change your batch at anytime"
  }
])
```

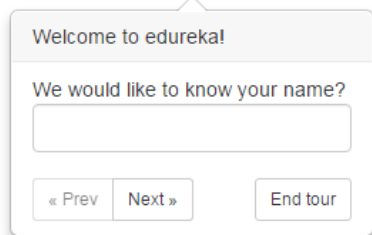
→ In first step of the tour we ask user for his name and then display that name as title on rest of the steps of the tour. If user doesn't provides name we use the default name as **Jason**

Customizing the Tour (Contd.)

→ Below are the snapshots after customizing the bootstrap tour

Live classes

Learn from our Experts and get Real-Time Guidance



Welcome to edureka!

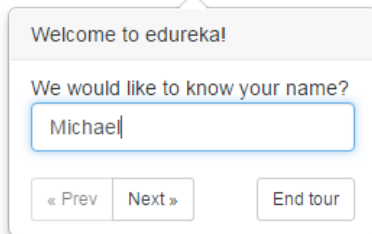
We would like to know your name?

« Prev Next » End tour

First Step of tour

Live classes

Learn from our Experts and get Real-Time Guidance



Welcome to edureka!

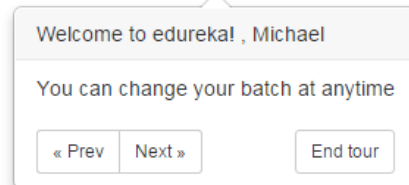
We would like to know your name?

« Prev Next » End tour

First Step of tour

Flexible schedule

Reschedule your Batch/Class at Your Convenience



Welcome to edureka! , Michael

You can change your batch at anytime

« Prev Next » End tour

Customized tour title

Customizing the Tour (Contd.)

→ Next we are going to add the last fourth step to our bootstrap tour to show a [Thank you message](#) when a user follows the complete tour , this last tour step will not be attached to any div element

```
{
  element: ".tour-step.tour-step-three",
  placement: "bottom",
  title: function(){ return "Welcome to edureka! , " + name; },
  content: "We provide 24/7 support to our customer"
},
{
  placement: "top",
  orphan: true,
  title: function(){ return "Thank you, " + name; },
  content: function(){ return "We wish you happy learning with edureka!" }
},
```



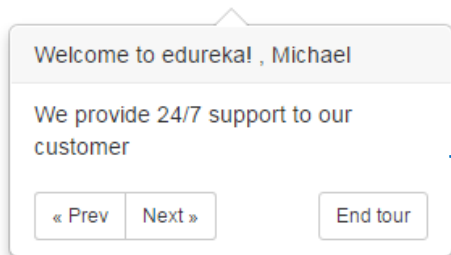
Note that element attribute for last tour step is not specified and orphan attribute is set to true which means this step will not be attached to any particular element

Customizing the Tour (Contd.)

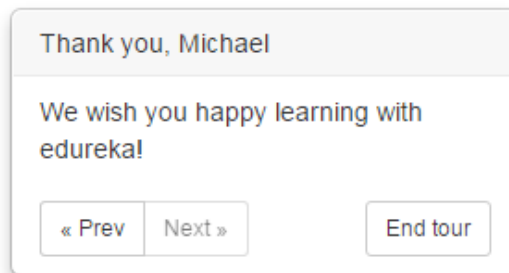
→ Next we are going to add the last fourth step to our bootstrap tour to show a Thank you message , this tour step will not be attached to any div element

24 X 7 Support

Personalized Guidance from our 24X7 Support Team

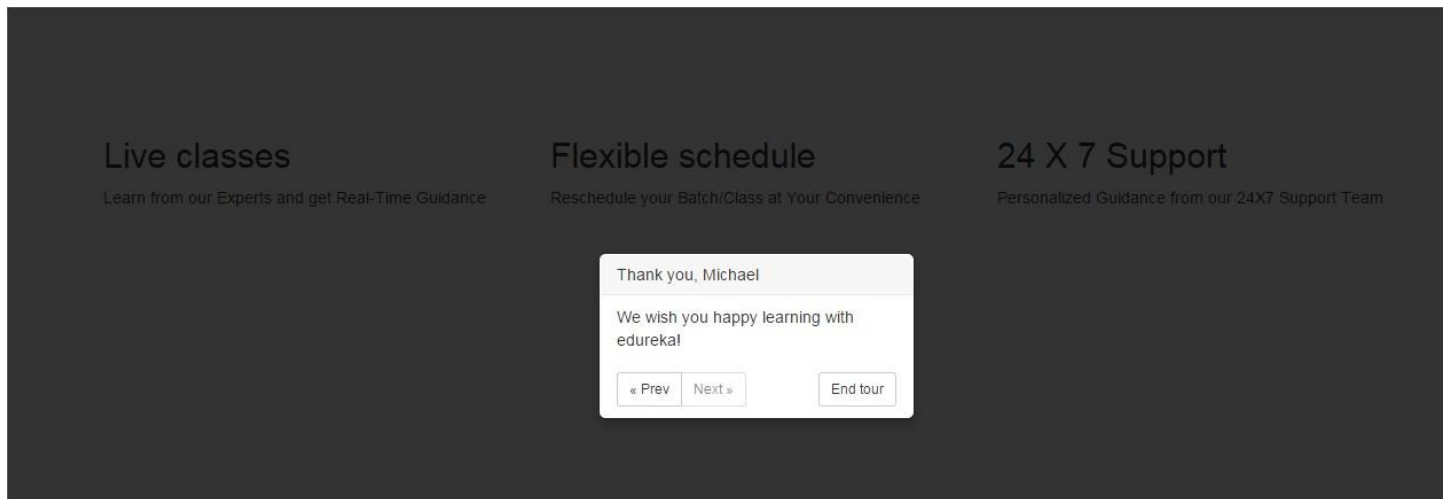


On completing the tour



Customizing the Tour (Contd.)

→ We can fade the background while showing a tour step using `backdrop` property



Integrating Bootstrap Tour to Project

→ Next we are going to [integrate](#) the bootstrap tour feature to the edureka bootstrap website that we created in module 7 . You can see the live demo here



Instructor-led live online courses with 24x7 on demand support

Integrating Bootstrap Tour to Project (Contd.)

→ We will show the first step of the Edureka tour bottom of carousel element of index.html page as shown below



Integrating Bootstrap Tour to Project (Contd.)

→ To integrate the bootstrap tour feature we will add [bootstrap-tour-min.js](#), [bootstrap-tour-min.css](#) and [tour.js](#) file where we will define the Edureka tour steps

```
<head>
  <link type="text/css" rel="stylesheet" href="css/bootstrap.min.css" />
  <link type="text/css" rel="stylesheet" href="css/style.css" />
  <link href="http://netdna.bootstrapcdn.com/font-awesome/3.2.1/css/font-awesome.css" type="text/css" rel="stylesheet" />
  <link type="text/css" rel="stylesheet" href="css/bootstrap-tour.min.css" />
</head>
```

head section of index.html

```
<script src="js/jquery-1.11.3.js"></script>
<script src="js/bootstrap.js"></script>
<script src="js/bootstrap-tour.min.js"></script>
<script src="js/tour.js"></script>
```

body section of index.html

Integrating Bootstrap Tour to Project – Step One

→ We have defined the tour steps in tour.js file , note that currently we have only one step

```
(function(){  
  var name = "Jason";  
  var tour = new Tour({  
    storage : false  
  });  
  tour.addSteps([  
    {  
      element: ".tour-step.tour-step-one",  
      placement: "bottom",  
      title: "Welcome to edureka!",  
      content: "We would like to know your name? <br><input class='form-control' type='text' name='your_name'>",  
      onNext : function(tour){  
        var nameProvided = $("input[name=your_name]").val();  
        if ($.trim(nameProvided) !== ""){  
          name = nameProvided;  
        }  
      }  
    }  
  ]);  
  
  // Initialize the tour  
  tour.init();  
  // Start the tour  
  tour.start();  
})();
```

tour.js

Integrating Bootstrap Tour to Project – Step One

→ We have applied the class `tour-step tour-step-one` to carousel inner div of index.html as shown below

```
<div class="tour-step tour-step-one carousel-inner">
  <div class="item active"> ... </div>

  <div class="item "> ... </div>

  <div class="item "> ... </div>
</div>
```

index.html

Integrating Bootstrap Tour to Project – Step Two

→ Next we are going to [define](#) the step two of the edureka tour and apply it to first column of our text-grid in index.html

```
{  
  element: ".tour-step.tour-step-two",  
  placement: "bottom",  
  title: function(){ return "Welcome to edureka! , " + name; },  
  content: "We offer instructor led live online classes"  
}
```

tour.js

```
<div class="container">  
  <div class="row">  
    <div class="tour-step tour-step-two col-md-4">  
      <h2>Live classes</h2>  
      <p>Learn from our Experts and get Real-Time Guidance </p>  
    </div>  
    <div class="col-md-4">  
      <h2>Flexible schedule</h2>  
      <p>Reschedule your Batch/Class at Your Convenience </p>  
    </div>  
    <div class="col-md-4">  
      <h2>24 X 7 Support</h2>  
      <p>Personalized Guidance from our 24X7 Support Team </p>  
    </div>  
  </div>  
</div>
```

index.html

Integrating Bootstrap Tour to Project – Step Two

→ Second step of our edureka tour will be displayed bottom of first column of text grid as shown below



Live classes

Learn from our Experts and get Real-Time Guidance



Flexible schedule

Reschedule your Batch/Class at Your Convenience





24 X 7 Support

Personalized Guidance from our 24X7 Support Team

Welcome to edureka! , Alex

We offer instructor led live online classes

« Prev Next » End tour



Fresh Baked Courses



Integrating Bootstrap Tour to Project – Step Three

→ Next we are going to [define](#) the step three of the edureka tour and apply it to second column of our text-grid in index.html

```
{
  element: ".tour-step.tour-step-three",
  placement: "bottom",
  title: function(){ return "Welcome to edureka! , " + name; },
  content: "We offer the flexibility to change the Batch/Class at anytime"
}
```

tour.js

```
<div class="container">
  <div class="row">
    <div class="tour-step tour-step-two col-md-4">
      <h2>Live classes</h2>
      <p>Learn from our Experts and get Real-Time Guidance </p>
    </div>
    <div class="tour-step tour-step-three col-md-4">
      <h2>Flexible schedule</h2>
      <p>Reschedule your Batch/Class at Your Convenience </p>
    </div>
    <div class="col-md-4">
      <h2>24 X 7 Support</h2>
      <p>Personalized Guidance from our 24X7 Support Team </p>
    </div>
  </div>
</div>
```

index.html

Integrating Bootstrap Tour to Project – Step Three

→ Third step of our Edureka tour will be displayed bottom of second column of text grid as shown below



Live classes

Learn from our Experts and get Real-Time Guidance



Flexible schedule

Reschedule your Batch/Class at Your Convenience



24 X 7 Support

Personalized Guidance from our 24X7 Support Team



Welcome to edureka! , Alex

We offer the flexibility to change the
Batch/Class at anytime

« Prev Next »

End tour

Integrating Bootstrap Tour to Project – Step Four

→ Next we are going to **define** the step four of the edureka tour and apply it to third column of our text-grid in index.html

```
{
  element: ".tour-step.tour-step-four",
  placement: "bottom",
  title: function(){ return "Welcome to edureka! , " + name; },
  content: "We provide 24/7 support to our learners"
}
```

tour.js

```
<div class="container">
  <div class="row">
    <div class="tour-step tour-step-two col-md-4">
      <h2>Live classes</h2>
      <p>Learn from our Experts and get Real-Time Guidance </p>
    </div>
    <div class="tour-step tour-step-three col-md-4">
      <h2>Flexible schedule</h2>
      <p>Reschedule your Batch/Class at Your Convenience </p>
    </div>
    <div class="tour-step tour-step-four col-md-4">
      <h2>24 X 7 Support</h2>
      <p>Personalized Guidance from our 24X7 Support Team </p>
    </div>
  </div>
</div>
```

index.html

Integrating Bootstrap Tour to Project – Step Four

→ Fourth step of our Edureka tour will be displayed bottom of third column of text grid as shown below



Live classes

Learn from our Experts and get Real-Time Guidance



Flexible schedule

Reschedule your Batch/Class at Your Convenience



24 X 7 Support

Personalized Guidance from our 24X7 Support Team

Fresh Baked Courses



Welcome to edureka! , Alex

We provide 24/7 support to our learners

« Prev Next »

End tour

Integrating Bootstrap Tour to Project – Step Five

→ Next we are going to [define](#) the step five of the Edureka tour and apply it to fresh baked courses thumbnails in index.html

```
{
  element: ".tour-step.tour-step-five",
  placement: "top",
  backdrop:true,
  title: function(){ return "Welcome to edureka! , " + name; },
  content: "Check out our fresh baked courses"
}
```

tour.js

```
<h2 align="center">Fresh Baked Courses</h2><br/>
<!-- Custom Thumbnails Begin ----->
<div class="tour-step tour-step-five container">
  <div class="row"> ... </div>
</div>
<!-- Custom Thumbnails Completed ---->
```

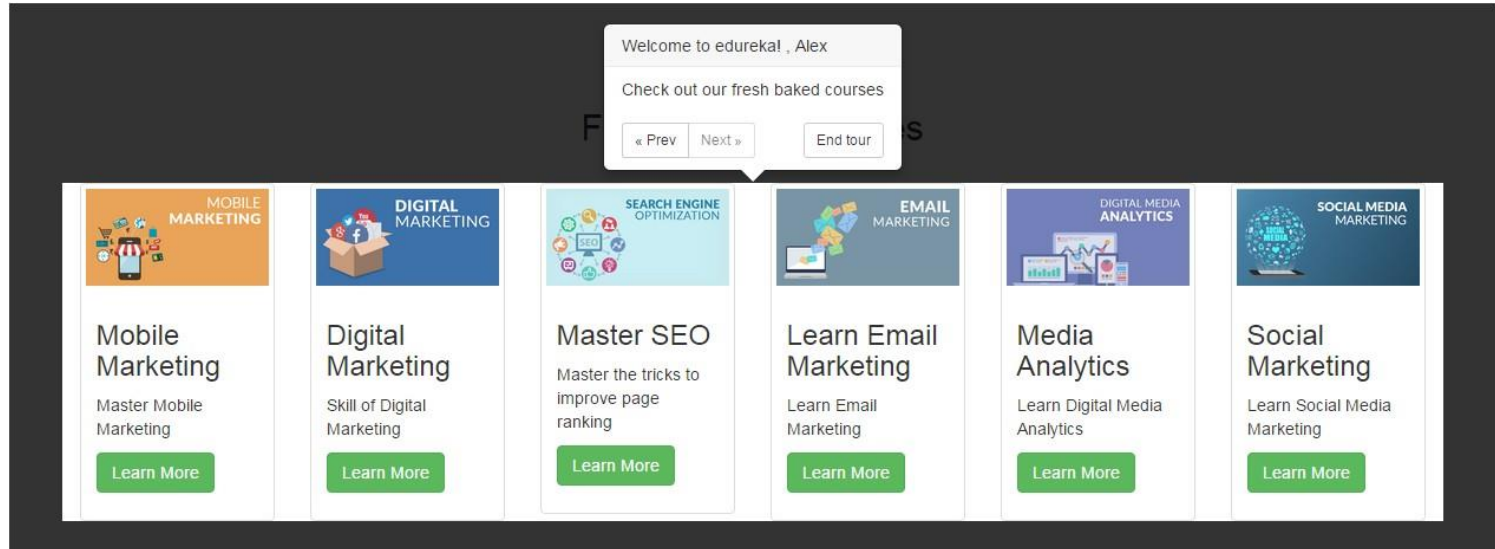
index.html



Note that we have set the backdrop property to true

Integrating Bootstrap Tour to Project – Step Five

→ Fifth step of our Edureka tour will be displayed top of fresh baked courses thumbnails as shown below



Integrating Bootstrap Tour to Project – Step Six

→ Next we are going to [define](#) the step six of the Edureka tour and apply it to sign up link of first carousel slide in index.html

```
{
  element: ".tour-step.tour-step-six",
  placement: "top",
  title: function(){ return "Welcome to edureka! , " + name; },
  content: "Sign Up to get started with edureka!"
}
```

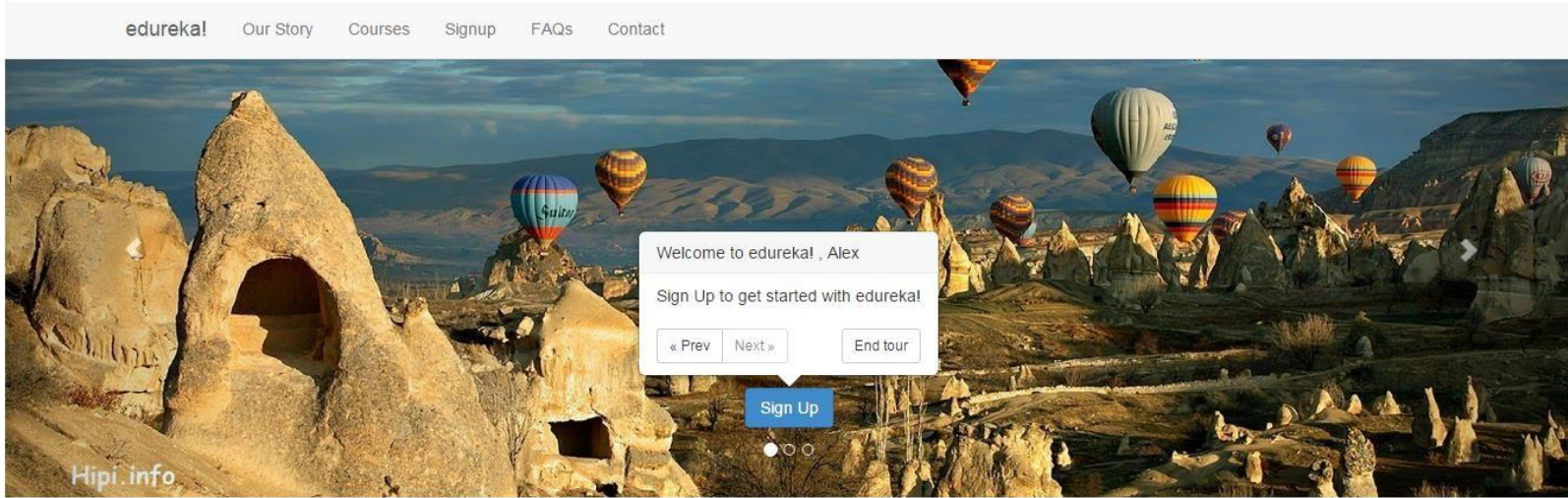
tour.js

```
<div class="item active">
  
  <div class="container">
    <div class="carousel-caption">
      <h1>Just Learn It</h1>
      <p>Wanted to learn something new, just do it</p>
      <p><a href="signup.html" class="tour-step tour-step-six btn btn-large btn-primary">Sign Up</a></p>
    </div>
  </div>
</div>
```

index.html

Integrating Bootstrap Tour to Project – Step Six

→ Sixth step of our Edureka tour will be displayed on top of Sign Up link of first carousel slide as shown below



Integrating Bootstrap Tour to Project – Last Step

→ The last thing we are going to do is to [show](#) a [thank you message](#) when user completes the tour

```
{  
  placement: "top",  
  backdrop: true,  
  orphan: true,  
  title: function(){ return "Thank you, " + name; },  
  content: function(){ return "We wish you happy learning with edureka!" }  
}
```

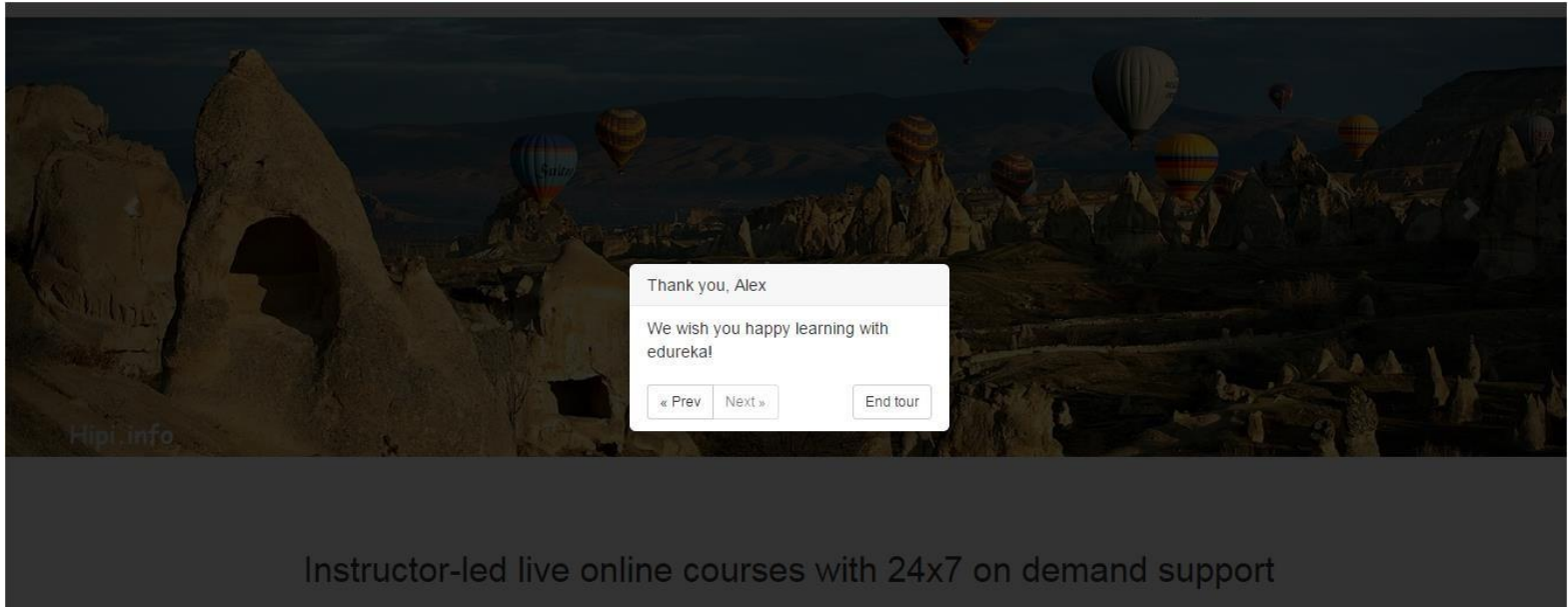
tour.js



Note that we have set the backdrop to true and orphan is also set to true as this step will not be attached to any element in index.html page

Integrating Bootstrap Tour to Project – Last Step

→ Thank you message of our Edureka tour will be displayed at center of the index.html page as shown below



QUESTIONS



Assignment

→ Implement the website tour functionality using bootstrap tour plugin



Further Reading

- <http://getbootstrap.com/components/>
- <https://bootstrapbay.com/blog/bootstrap-3-carousel-tutorial/>
- <http://www.codemag.com/article/1501031>
- <http://fontawesome.bootstrapcheatsheets.com/>



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