

## 11.0.2 Module 11 Roadmap

### Looking Ahead

In this module, you will create a table to organize UFO data that is stored as a JavaScript array, or list. This table will have the ability to filter data based on certain criteria and will be created using JavaScript as the primary coding language.

JavaScript is a well-established coding language that was designed to enhance HTML. It's the backbone of many popular visualization libraries, such as Plotly, and is often used to create custom dashboards. JavaScript also provides a high level of customization: the dashboards built to deliver visual data, such as maps or graphs, can be as simple or complex as needed.

To be successful in this module, you'll need to apply your HTML and Bootstrap skills and have an open mind regarding semicolons.

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### What You Will Learn

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

- Explain the strengths and weaknesses of JavaScript "standard" and JavaScript version ES6+.

- Describe JavaScript syntax and ideal use cases.
- Build and deploy JavaScript functions, including built-in functions.
- Convert JavaScript functions to arrow functions.
- Build and deploy `forEach` (JavaScript `for` loop).
- Create, populate, and dynamically filter a table using JavaScript and HTML

## Planning Your Schedule

Here's a quick look at the lessons and assignments you'll cover in this module. You can use the time estimates to help pace your learning and plan your schedule.

- Introduction to Module 11(15 mins)
- JavaScript Basics (1 hour)
- Building Webpages with JavaScript (1 hour)
- Functional JavaScript (1 hour)
- JavaScript for Loops (1 hour)
- Building Dynamic Tables (1 hour)
- Build the HTML (2 hours)
- Application (5 Hours)

### Unit: Visualizations

**Module 10:  
Mission to Mars  
Complete**



**Module 11:  
UFO Sightings  
with JavaScript**

Use JavaScript, HTML, and CSS to create a custom webpage that showcases different UFO sightings around the world.



**Module 12:  
Plotly and  
Belly Button  
Biodiversity**

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