

Full Stack Program Outline

A four-module boot camp curriculum for web app development

M1 (2-4 weeks)	M2 (2-4 weeks)	M3 (2-4 weeks)	M4 (2-4 weeks)
Website Basics	Database Basics	Javascript Basics	Putting it all together
<ul style="list-style-type: none"> • 5-6 days • HTML, CSS • Console • Github.io <p>Objectives: What is web development? How do websites get online? Get people to understand that they can't possibly just code all the HTML and CSS that they need and that you will want to incorporate other tools.</p>	<ul style="list-style-type: none"> • 5-6 days • SQL • Ruby intro • Rails intro <p>Objectives: What are databases? What is Ruby? What is Rails? Get people to understand that they can't possibly just code all the SQL that they need and that you will want to incorporate other tools.</p>	<ul style="list-style-type: none"> • 5-6 days • Javascript <p>Objectives: Basic javascript syntax. How do you use javascript in your website/app? Get people to understand that they can't possibly just code all the javascript that they need and that you will want to incorporate existing packages.</p>	<ul style="list-style-type: none"> • 5-6 days • Front end + back end communication <p>Objectives</p>
Templates	Ruby/Rails	External packages	Projects
<ul style="list-style-type: none"> • 5-6 days • Markdown • Jekyll (Ruby) • Loops • Importing "data" <p>Objectives: How would you actually create a website rather than writing all of the HTML, CSS, etc on your own?</p>	<ul style="list-style-type: none"> • 5-6 days • App generation • Exposing a database on a website <p>Objectives: How would you actually incorporate data into your website/app?</p>	<ul style="list-style-type: none"> • 5-6 days • Javascript packages • D3.js <p>Objectives: How do you find existing packages online and modify them for your needs? How do you make your website interactive?</p>	<ul style="list-style-type: none"> • 1 week of finishing up individual projects • Individual project presentation day • 1 week of team code sprint

Logistics:

1. "5-6 days" and "2-4 weeks" means "Do you/employees want this 5 days a week or 3 days a week?"
2. We are splitting each module (M1-M3) into two parts because we want people to not just jump into using some existing template/platform, but to also be able to understand what's going on/debug.
3. Perfectly happy to add a third part to each module for more advanced coding if desired.