

	MON	TUE	WED	THU	FRI	ENVIRONMENT
<b>Week 1</b> <b>Java/Fundamentals</b>	<ul style="list-style-type: none"> <li>• Installation: Git</li> <li>• Installation: Java 8</li> <li>• Control Flow Statements</li> <li>• Introduction to Java</li> <li>• JDK, JRE, JVM</li> <li>• First Java Program: HelloWorld</li> <li>• Naming Conventions</li> </ul>	<ul style="list-style-type: none"> <li>• Methods and Parameters</li> <li>• Packages and Imports</li> <li>• Arrays, Var-args, for-each loops</li> <li>• String API</li> </ul>	<ul style="list-style-type: none"> <li>• Non-access modifiers</li> <li>• Class vs Object</li> <li>• Constructors</li> <li>• Variable Scopes</li> <li>• Garbage Collection</li> </ul>	<ul style="list-style-type: none"> <li>• Maven Repositories</li> <li>• Project object model (POM)</li> <li>• Introduction to HTTP</li> <li>• Postman</li> <li>• Introduction to Javalin</li> <li>• HTTP Handlers</li> </ul>	<ul style="list-style-type: none"> <li>• WebDriver Setup</li> <li>• Overview of HTML</li> <li>• Submitting Forms</li> <li>• Selenium Selectors</li> <li>• HTML Tags</li> <li>• Elements and Attributes</li> <li>• Input Elements and Input Types</li> <li>• Form Elements and Its Attributes</li> </ul>	<ul style="list-style-type: none"> <li>• IntelliJ</li> </ul>
<b>Week 2</b> <b>Java</b>	<div>Written Evaluation</div> <ul style="list-style-type: none"> <li>• Intro to git (add, push, pull, commit, clone)</li> <li>• Object class</li> </ul>	<ul style="list-style-type: none"> <li>• Access Modifiers</li> <li>• Wrapper Classes</li> <li>• Abstract Class</li> <li>• Interfaces</li> <li>• StringBuilder StringBuffer</li> <li>• Overloading</li> <li>• Overriding</li> </ul>	<ul style="list-style-type: none"> <li>• Collection API</li> <li>• Lists</li> <li>• Sets</li> <li>• Queues</li> <li>• Maps</li> <li>• Generics</li> <li>• Java Bean</li> </ul>	<ul style="list-style-type: none"> <li>• Intro to TDD and Unit Testing</li> <li>• Positive vs Negative Testing</li> <li>• Order tests in JUnit</li> <li>• Test case vs Test suite</li> <li>• Test for exceptions using JUnit</li> <li>• JUnit Overview</li> <li>• JUnit Annotations</li> <li>• Assert Methods</li> </ul>	<ul style="list-style-type: none"> <li>• Checked vs Unchecked Exceptions</li> <li>• Multi-catch blocks</li> <li>• Try-with-resources</li> <li>• Exception Handling or Declarations</li> <li>• Custom Exceptions</li> <li>• Exception Hierarchy</li> </ul> <div>Coding assessment</div>	<ul style="list-style-type: none"> <li>• JDK 1.8</li> <li>• Maven 3.X</li> <li>• IntelliJ</li> </ul>

	MON	TUE	WED	THU	FRI	ENVIRONMENT
<b>Week 3</b> <b>Javalin/SQL</b>	Project 0	Project 0	Project 0	Project 0	Project 0	<ul style="list-style-type: none"> <li>AWS - RDS</li> </ul>
	Written evaluations	<ul style="list-style-type: none"> <li>DDL - Data Definition Language</li> </ul>	<ul style="list-style-type: none"> <li>TCL - Transaction Control Language</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to JDBC</li> </ul>	<ul style="list-style-type: none"> <li>Exception/Error Mapping</li> </ul>	
	Individual interviews	<ul style="list-style-type: none"> <li>Defining Schema</li> </ul>	<ul style="list-style-type: none"> <li>Atomicity</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to Integration testing</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to Webservice</li> </ul>	
	Quality Control Audit	<ul style="list-style-type: none"> <li>DML - Data Manipulation Language</li> </ul>	<ul style="list-style-type: none"> <li>Consistency</li> </ul>	<ul style="list-style-type: none"> <li>Design Pattern: Data Access Object (DAO)</li> </ul>	<ul style="list-style-type: none"> <li>REST naming conventions</li> </ul>	
	<ul style="list-style-type: none"> <li>Introduction to DBMS</li> <li>AWS RDS</li> <li>Postgres</li> </ul>	<ul style="list-style-type: none"> <li>DCL - Data Control Language</li> <li>DQL - Data Query Language</li> <li>Data types</li> <li>Constraints</li> <li>Referential Integrity</li> </ul>	<ul style="list-style-type: none"> <li>Durability</li> <li>Normalization</li> <li>Table relationships / multiplicity</li> </ul>	<ul style="list-style-type: none"> <li>Interfaces of JDBC</li> <li>Setting up the Database Driver</li> <li>Connection Interface</li> <li>Simple &amp; Prepared Statements</li> <li>Scalar functions</li> <li>Aggregate functions</li> <li>Inner / Outer Joins</li> <li>Left / right Joins</li> <li>Set Operations</li> </ul>	<ul style="list-style-type: none"> <li>JSON Overview</li> </ul>	
					Coding assessment	
<b>Week 4</b> <b>Client side technologies</b>	Project 0	Project 0	Project 0	Project 0	Project 0	
	Written Evaluation	<ul style="list-style-type: none"> <li>Element Selectors</li> </ul>	<ul style="list-style-type: none"> <li>let and const keywords</li> </ul>	<ul style="list-style-type: none"> <li>Selecting elements from the DOM</li> </ul>	<ul style="list-style-type: none"> <li>Working with JSON in AJAX</li> </ul>	
	Interview - group / solo based on performance	<ul style="list-style-type: none"> <li>Class and Id Selectors</li> </ul>	<ul style="list-style-type: none"> <li>Type Coercion</li> </ul>	<ul style="list-style-type: none"> <li>DOM Manipulation</li> </ul>	<ul style="list-style-type: none"> <li>Fetch API</li> </ul>	
	Quality Control Audit	<ul style="list-style-type: none"> <li>Cascading Nature of CSS</li> </ul>	<ul style="list-style-type: none"> <li>Arrow functions</li> </ul>	<ul style="list-style-type: none"> <li>Traversing the DOM</li> </ul>	<ul style="list-style-type: none"> <li>Promises</li> </ul>	
	<ul style="list-style-type: none"> <li>HTML Document Structure &amp; DOM</li> <li>Inline and Block Elements</li> <li>Inline, Internal, and External Stylesheets</li> <li>Overview of CSS</li> <li>CSS Properties</li> </ul>	<ul style="list-style-type: none"> <li>JavaScript Introduction</li> <li>Data types</li> <li>Variable Scopes</li> </ul>	<ul style="list-style-type: none"> <li>Functions</li> </ul>	<ul style="list-style-type: none"> <li>Events &amp; Listeners</li> <li>Template literals &amp; arrow notation</li> <li>Hosting Static Sites on S3</li> <li>Intro to AWS S3</li> <li>AWS S3 Bucket Configuration</li> </ul>	<ul style="list-style-type: none"> <li>Async/await</li> </ul>	
					Coding assessment	

	MON	TUE	WED	THU	FRI	ENVIRONMENT
<b>Week 5</b> <b>Selenium/ DevOps</b>	Project 0	Project 0	Project 0	Project 1	Project 1	
	Written evaluation	<ul style="list-style-type: none"> <li>Advanced Selenium Concepts</li> </ul>	<ul style="list-style-type: none"> <li>Automation with Cucumber and Selenium</li> </ul>	<ul style="list-style-type: none"> <li>SonarCloud &amp; SonarLint</li> </ul>	<ul style="list-style-type: none"> <li>Continuous deployment</li> </ul>	
	Group interviews	<ul style="list-style-type: none"> <li>XPath/CSS Selectors</li> </ul>	<ul style="list-style-type: none"> <li>Gherkin</li> </ul>	<ul style="list-style-type: none"> <li>DevOps Overview</li> </ul>	<ul style="list-style-type: none"> <li>Continuous delivery</li> </ul>	
	Quality Control Audit	<ul style="list-style-type: none"> <li>Automate Existing Application</li> <li>PageFactory</li> <li>Introduction to Page Object Model(POM)</li> <li>E2E Testing</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to BDD</li> <li>Step implementations</li> <li>Feature file</li> </ul>	<ul style="list-style-type: none"> <li>Continuous integration</li> <li>GitHub Actions</li> <li>Defect Reports</li> </ul>	<ul style="list-style-type: none"> <li>DevOps and Agile</li> </ul>	
<b>Week 6</b> <b>Miscellaneous / Agile</b>	Project 1	Project 1	Project 1	Project 1	Project 1	
	Written Evaluation	<ul style="list-style-type: none"> <li>Test Lifecycle</li> </ul>	<ul style="list-style-type: none"> <li>Select and Multi-select</li> </ul>	<ul style="list-style-type: none"> <li>Overview of Logging</li> </ul>	Coding assessment	
	<ul style="list-style-type: none"> <li>Responsive web design</li> </ul>	<ul style="list-style-type: none"> <li>Features vs Defects</li> </ul>	<ul style="list-style-type: none"> <li>Specificity and Resolving Styling Conflicts</li> </ul>	<ul style="list-style-type: none"> <li>Logging Levels</li> </ul>	<ul style="list-style-type: none"> <li>Lambdas</li> </ul>	
	<ul style="list-style-type: none"> <li>Bootstrap</li> <li>Scrum</li> <li>User Stories</li> </ul>	<ul style="list-style-type: none"> <li>Defect Lifecycle</li> <li>Testing Mindset</li> <li>Types of Testing</li> </ul>		<ul style="list-style-type: none"> <li>Setting Logging Threshold</li> </ul>	<ul style="list-style-type: none"> <li>Functional Interface</li> </ul>	
<b>Week 7</b> <b>Angular</b>	Project 1	Project 1	Project 1	Project 1	Project 1	<ul style="list-style-type: none"> <li>Angular 8</li> </ul>
	Written Evaluation	<ul style="list-style-type: none"> <li>Introduction to TypeScript</li> </ul>	<ul style="list-style-type: none"> <li>@NgModule decorator</li> </ul>	<ul style="list-style-type: none"> <li>Pipes</li> </ul>	<ul style="list-style-type: none"> <li>Services and Dependency Injection</li> </ul>	
	Interviews	<ul style="list-style-type: none"> <li>Access modifiers/variable types</li> </ul>	<ul style="list-style-type: none"> <li>1-way data binding</li> </ul>	<ul style="list-style-type: none"> <li>Custom Pipes</li> </ul>	<ul style="list-style-type: none"> <li>HttpClient</li> </ul>	
	Quality Control Audit	<ul style="list-style-type: none"> <li>Classes &amp; Decorators</li> </ul>	<ul style="list-style-type: none"> <li>Structural directives</li> </ul>		<ul style="list-style-type: none"> <li>RxJS - Observables</li> </ul>	
	<ul style="list-style-type: none"> <li>Node as a JS runtime; npm as a package manager</li> </ul>	<ul style="list-style-type: none"> <li>@Component decorator</li> </ul>	<ul style="list-style-type: none"> <li>Attribute directives</li> </ul>		<ul style="list-style-type: none"> <li>RxJS - Subjects</li> </ul>	
	<ul style="list-style-type: none"> <li>Angular CLI</li> </ul>	<ul style="list-style-type: none"> <li>Component lifecycle methods</li> </ul>	<ul style="list-style-type: none"> <li>2-way data binding</li> </ul>		<ul style="list-style-type: none"> <li>Setting up routing</li> </ul>	
	<ul style="list-style-type: none"> <li>Webpack</li> </ul>					
	<ul style="list-style-type: none"> <li>Single Page Application (SPA)</li> </ul>					
	<ul style="list-style-type: none"> <li>History of Angular</li> </ul>					
	<ul style="list-style-type: none"> <li>Package.json file</li> </ul>					

	MON	TUE	WED	THU	FRI	ENVIRONMENT
<b>Week 8</b> <b>Spring / Web Services</b>	Written Evaluation	Project 2	Project 2	Project 2	Project 2	
	Project 2	<ul style="list-style-type: none"> <li>MVC Architecture and Annotations</li> </ul>	<ul style="list-style-type: none"> <li>Overview of AOP and cross-cutting concerns</li> </ul>	<ul style="list-style-type: none"> <li>Spring Boot</li> </ul>	<ul style="list-style-type: none"> <li>Using Angular to make RESTful calls to a Spring controller</li> </ul>	
	Interview - group or sprint retrospective	<ul style="list-style-type: none"> <li>@Controller - MVC Annotations</li> </ul>	<ul style="list-style-type: none"> <li>Advice</li> </ul>	<ul style="list-style-type: none"> <li>Spring Boot Actuator</li> </ul>	<ul style="list-style-type: none"> <li>JUnit with Spring Testing</li> </ul>	
	Quality Control Audit	<ul style="list-style-type: none"> <li>@RequestMapping - MVC Annotations</li> </ul>	<ul style="list-style-type: none"> <li>Pointcut and Join Points</li> </ul>	<ul style="list-style-type: none"> <li>Spring Boot DevTools</li> </ul>	<ul style="list-style-type: none"> <li>Web Service Testing</li> </ul>	
	<ul style="list-style-type: none"> <li>Intro to Spring</li> <li>Spring IOC Container &amp; Dependency Injection</li> <li>@Configuration</li> <li>@Bean</li> <li>@Autowired</li> <li>Scopes of a bean</li> <li>Annotations</li> </ul>	<ul style="list-style-type: none"> <li>Path Variables and Request Params</li> <li>Exposing/Consuming REST with Spring MVC</li> </ul>	<ul style="list-style-type: none"> <li>Aspect-J</li> <li>Stereotypes</li> </ul>	<ul style="list-style-type: none"> <li>Spring Environments</li> <li>Spring Testing Module</li> <li>Spring MVC Test Framework - mocking server responses</li> </ul>		
<b>Week 9</b> <b>Automation Testing/AWS</b>	Written evaluation	Project 2	Project 2	Project 2	Project 2	
	Project 2	<ul style="list-style-type: none"> <li>Intro to Pyramid Testing</li> </ul>	<ul style="list-style-type: none"> <li>Test Lab - preparing the documents</li> </ul>	<ul style="list-style-type: none"> <li>AWS Introduction</li> </ul>	<ul style="list-style-type: none"> <li>Security Groups</li> </ul>	
	Interviews		<ul style="list-style-type: none"> <li>Testing Documents - Test Plan, Test Strategy, Test Cases, Test Results</li> </ul>	<ul style="list-style-type: none"> <li>AWS Regions and Availability Zones</li> </ul>	<ul style="list-style-type: none"> <li>Commands: grep (lite), man, yum</li> </ul>	
	Quality Control Audit		<ul style="list-style-type: none"> <li>Mocking DAO layer with Mockito</li> <li>Jenkins</li> </ul>	<ul style="list-style-type: none"> <li>AWS EC2</li> <li>SSH Into EC2 Instance</li> <li>AMI</li> <li>EC2 Autoscaling</li> <li>EBS</li> </ul>	<ul style="list-style-type: none"> <li>Unix basics (basic shell scripting)</li> </ul>	
	<ul style="list-style-type: none"> <li>Spring Data</li> <li>Spring Data Annotations</li> <li>@Transactional</li> <li>Transaction Propagation Strategies</li> </ul>					
<b>Week 10</b> <b>Project 3 work</b>	Project 3	Project 3	Project 3	Project 3	Project 3	Portfolios due to QC
<b>Week 11</b> <b>Project 3 / Panel Interviews</b>	Project 3 Panel Interviews	Project 3	Project 3	Project 3	Project 3	
<b>Week 12</b> <b>Project showcase / OCA Prep</b>	Project 3	Project 3	Project 3			

## PROJECT

 Project 0

 Project 1

 Project 3

 Project 2

## TECHNOLOGIES

Java, HTTP, SQL

Java, HTML/CSS, JavaScript, SQL, Selenium, Cucumber

Angular, Spring, REST, CI, AWS

Java, REST, HTML, CSS, Postgres, JavaScript, Angular, Spring



Copyright © 2022 Revature, LLC. All Rights Reserved.

By viewing this document, you agree that under copyright law all content displayed is the sole intellectual property of Revature, LLC, a technology advancement and consulting company based in Reston, VA. All content generated by a representative of Revature which is used for the company's advancement, development, or have otherwise been developed at the company's request, are the sole property of the company. No intellectual property may be reproduced, distributed, altered, or shared without the explicit permission from a representative of Revature.