
MODULE 1

SCSS - CSS-Grid - FlexBox - UX/UI

	#	Type	Title	Date
[X]	01	Literacy: Productivity	How to Break Through the Cycle of Procrastination	2025/01/20
[X]	02	SCSS - Definitions	The Who, What, When, Where, Why, and How of SCSS	2025/01/20
[X]	03	SCSS - Workflow	SCSS Preprocessor Demo: How the SCSS Magic Happens	2025/01/20
[X]	04	SCSS - Origins	Differences Between SASS and SCSS	2025/01/20
[X]	05	SCSS - Setting up an IDE	How to Configure Codepen to Process SCSS Files	2025/01/20
[X]	06	Literacy: Ethics / Productivity	Is Writing Bad Code Immoral for Developers?	2025/01/20
[X]	07	CSS: Recall	Guide to CSS Selectors for Web Developers and Designers	2025/01/21
[X]	08	SCSS: Variables (1)	Introduction to Variables in SCSS	2025/01/21
[X]	09	SCSS: Variables (2)	Using Default Variables in SCSS	2025/01/21
[X]	10	SCSS: Scope & @mixin	Guide to Variable Scope in SCSS	2025/01/21
[X]	11	SCSS: Nested styles	Guide to SCSS Nesting	2025/01/21
[X]	12	SCSS: &:pseudo's	SCSS Pseudo Selector Nesting	2025/01/21
[X]	13	SCSS: @mixin @include	Creating Your First Mixin	2025/01/21
[X]	14	SCSS passing Args.	Introduction to Mixin Arguments in SCSS	2025/01/22
[X]	15	SCSS: Conditionals IF-ELSE	Working with SCSS Conditionals	2025/01/22
[X]	16	SCSS Task 1	Build a Flexbox Mixin with SCSS	2025/01/22
[X]	17	SCSS Task 1	Solution: Build a Flexbox Mixin with SCSS	2025/01/22
[X]	18	SCSS @each	SCSS Lists, @each Directive, and String Interpolation	2025/01/23
[X]	19	SCSS @import	Real World Example of the SCSS @import Directive	2025/01/23
[X]	20	SCSS @content	How to Use the @content Directive in SCSS to Allow for Mixin Flexibility	2025/01/23
			APPLIED A CONTENT JUMP to MODULE 1: PART 2 - Git	2025/01/24
			GETTING BACK to MODULE 1: PART 1 - CSS-GRID	2025/01/27
[X]	21	Project 1 CSS-GRID	App Overview and Resource Material: Branding Page	2025/01/27
[X]	22	Project 1 CSS-GRID	Branding Page Layout and Flexbox Integration	2025/01/27
[X]	23	Project 1 CSS-GRID	Building Your First CSS Grids Container	2025/01/27
[X]	24	Project 1 CSS-GRID	Nesting a CSS Grids Container in a Parent Div and Grid Gap Introduction	2025/01/27
[X]	25	Project 1 CSS-GRID	How to Create CSS Grids Columns with Different Widths	2025/01/27
[X]	26	Project 1 CSS-GRID	Adding Custom Heading and Bullet Point Styles in Grid Columns	2025/01/27
[X]	27	Project 1 CSS-GRID	Guide to the CSS Grids Repeat Function to Render a Dynamic Number of Rows	2025/01/27
[X]	28	Project 1 CSS-GRID	Implementing Final Page Styles and Review of CSS Grids's Repeat Function	2025/01/27
[X]	29	Project 1 CSS-GRID	Combining CSS Grids with Media Queries to Implement a Responsive Layout	2025/01/27
[X]	30	Project 1 CSS-GRID	Search Engine Front End Implementation Project Requirements	2025/01/28
[X]	31	Project 1 CSS-GRID	Adding HTML Elements to the Index Page	2025/01/28
[X]	32	Project 1 CSS-GRID	Implementing the HTML Structure and Custom Class Names for the Index Page	2025/01/28
[X]	33	Project 1 CSS-GRID	Integrating SCSS Grids into the Container Class on the Index Page	2025/01/28
[X]	34	Project 1 CSS-GRID	Integrating the CSS Styles for the Homepage Logo with SCSS Grids	2025/01/28
[X]	35	Project 1 CSS-GRID	Integrating Custom Sizing and Styles to an HTML Text Input	2025/01/28
[X]	36	Project 1 CSS-GRID	Installing Font Awesome into the Daily Smarty Search Engine	2025/01/28
[X]	37	Project 1 CSS-GRID	Building a SCSS Grids Container to Lay Out Recent Posts	2025/01/28
[X]	38	Project 1 CSS-GRID	Deep Dive: SCSS Grids-column and grid-row	2025/01/29

	#	Type	Title	Date
[X]	39	Project 1 CSS-GRID	Integrating Custom Fonts and Implementing Final Homepage Styles Changes	2025/01/29
[X]	40	Project 1 CSS-GRID	Adding Initial HTML to the Results Page	2025/01/29
[X]	41	Project 1 CSS-GRID	How to Create an Abstract Container Class that can be Shared Across Pages	2025/01/29
[X]	42	Project 1 CSS-GRID	Initial Styles for the Result Links	2025/01/29
[X]	43	CSS grid Checkpoint 1	Course Checkpoint 1	2025/01/29
[X]	44	Project 1 CSS-GRID	Integrating a Nested SCSS Grids Container for Search Result Reference Links	2025/01/29
X]	45	Project 1 CSS-GRID	Implementing Shared Styles for Custom Input Elements to Decrease Code Duplication	2025/01/29
[X]	46	Project 1 CSS-GRID	Final Project Changes for Daily Smarty Search Engine Front End Implementation	2025/01/29
[X]	47	DVCS: Git	Git Overview	2025/01/24
[X]	48	DVCS: GitHub basics	How to Sign Up for a GitHub Account	2025/01/24
[X]	49	DVCS: Git	Difference Between Git and GitHub	2025/01/25
[X]	50	DVCS	GitHub vs GitLab vs Bitbucket	2025/01/26
[X]	51	DVCS: Git	How to Install Git on Your System	2025/01/26
[X]	52	GitHub CLI	How to Organize the Course Files and Create a GitHub Repository	2025/01/26
[X]	53	NPM, gulp, browser-sync	How to Integrate Gulp and Browser Sync for Auto Reloading HTML Pages	2025/01/27
[X]	54	Project 2: Flexbox	How to Align Content Vertically and Horizontally on a Page with Flexbox	2025/01/27
[X]	55	Project 2: Flexbox	Overview of Flex Direction	2025/01/27
[X]	56	Project 2: Flexbox	Overview of Justify Content	2025/01/29
[X]	57	Project 2: Flexbox	Using Justify Content with Multiple Flex Containers	2025/01/29
[X]	58	Project 2: Flexbox	Overview of Flex Basis	2025/01/29
[X]	59	Project 2: Flexbox	Overview of Flex Basis, Flex Grow, and Flex Shrink	2025/01/29
[X]	60	Project 2: Flexbox	Using Flexbox and the Flex Property to Implement an HTML Card	2025/01/29
[X]	61	Project 2: Flexbox	How to Use the Flex Wrap Property to Implement Responsive Page Elements	2025/01/29
[X]	62	Project 2: Flexbox	How to Change the Order of Flexbox Items with the Order Property	2025/01/30
[X]	63	Project 2: Flexbox	Align Content vs Align Items in Flexbox	2025/01/30
[X]	64	Project 2: Flexbox	Overview of Align Self in Flexbox	2025/01/30
[X]	65	Project 2: Flexbox	Flexbox Capstone Project Requirements	2025/01/30
[X]	66	Project 2: Flexbox	Solution: Build a Responsive Navbar	2025/01/30
[X]	67	UX/UI Masterclass	Introduction to UX Development and Creative Direction	2025/02/03
[X]	68	UX/UI Masterclass	Planning the Prime Objective of an Application	2025/02/03
[X]	69	UX/UI Masterclass	Guide to User Stories and Analyzing a Feature List	2025/02/03
[X]	70	UX/UI Sitemaps	How to Create Effective Sitemaps	2025/02/03
[X]	71	UX/UI Wireframes	How to Design Low Fidelity Wireframes	2025/02/03
[X]	72	UX/UI Wireframes (2)	Guide to UX Mockups	2025/02/03
[X]	73	UX/UI	UX Skill Development	2025/02/03
[X]	74	UX/UI	Project Requirements for UX Course	2025/02/03
[X]	75	UX/UI	Introduction to User Interface and Design for Developers	2025/02/04
[X]	76	UX/UI	How to Create a System for Design Inspiration	2025/02/03
[X]	77	UX/UI	How to Analyze Typography for Software Systems	2025/02/03
[X]	78	UX/UI	Strategies for Building a UI Color Scheme	2025/02/03
[X]	79	UX/UI	Guide to Whitespace	2025/02/03
[X]	80	UX/UI	Designing for Mobile and Desktop Environments	2025/02/03
[X]	81	UX/UI	How to Create an Effective UI Style Guide	2025/02/03
[X]	82		Course Checkpoint 2	2025/02/03

MODULE 2

Branding // Python (1)

#	Type	Title	Date
[X] 01	UX/IU Project: Logo Design	Logo Design Guide - Part 1	2025/02/04
[X] 02	UX/IU Project: Logo Design	Logo Design Guide - Part 2	2025/02/04
[x] 03	UX/UI Project Capstone	UI Project Requirements: Design a Portfolio Application and Logo	2025/02/04
[X] 04	Literacy: Programming foundations	What is Programming?	2025/02/04
[X] 05	Python: Online IDE	How to Use Repl.it for Running Python in the Browser	2025/02/04
[X] 06	Python IDE setup	How to Install Python 3 on a Mac	2025/02/04
[X] 07	Python IDE setup	How to Install Python 3 on a PC	2025/02/04
[X] 08	Python: Online IDE	Basic Usage Tips and Tricks for the Python Repl	2025/02/04
[X] 09	Python Philosophy	Introduction to the Zen of Python (PEP 20)	2025/02/04
[X] 10	Python Versions	Differences Between Python Versions 2 vs 3	2025/02/04
[X] 11	Literacy: Indentation consensus	Overview of Indentation in Python Programs	2025/02/04
[X] 12	Literacy: Documenting code, or not.	The Case Against Code Comments	2025/02/04
[X] 13	Python Example: Incremental Matrix Function	Manually Build an Incrementing Matrix Function in Python	2025/02/06
[X] 14	Python Module intro	Section Introduction	2025/02/06
[X] 15	Python: Variables intro	Introduction to Variables in Python	2025/02/06
[X] 16	Python: Type Case & Naming styles, PEP8	Python Best Practices for Variable Naming and Style	2025/02/06
[X] 17	Python: Primitive Data Types (1)	Overview of Python Data Types	2025/02/06
[X] 18	Python: Refactoring var. values	How to Change Python Variable Values	2025/02/06
[X] 19	Python: Comments types	Guide to Single Line, Inline and Multi Line Comments in Python	2025/02/06
[X] 20	Literacy: Services architectures.	Monolithic vs Microservice Application Architectures	2025/02/06
[X] 21	Literacy: Framework/App designing process.	Requirement Elicitation – A Guide for Feature Development	2025/02/06
[X] 22	Python (1) - Strings section	Section Introduction	2025/02/06
[X] 23	Python: String basics	Python String Basics	2025/02/06
[X] 24	Python: String case .methods (.uppercase - .lower - .title - .capitalize) // Invoking functions VS Objects	Python String Case Functions	2025/02/06
[X] 25	Python: Accessing Strings portions [start:end] / Zero-base / Immutability	How to Access Portions of Strings in Python	2025/02/06
[X] 26	Python: Heredocs "" / .strip()	Guide to Heredocs in Python	2025/02/06
[X] 27	Python: Raw Multi-Line Strings / repr() and \n	How to Build a Raw Multiline String in Python	2025/02/06

#	Type	Title	Date
[X] 28	Python: <code>reduce()</code> / <code>lambda</code>	Build a Dynamic Reducer in Python	2025/02/07
[X] 29	Python: String interpolation / <code>var = f""</code> method	Guide to Modern Python String Interpolation	2025/02/09
[X] 30	Python: String Interpolation with a Index using <code>.format()</code> method.	How to Use Python's format method to Implement Index Based String Interpolation	2025/02/09
[X] 31	Python: <code>.find()</code> / <code>.index()</code> / <code>.in()</code>	Finding a Substring in Python with: Find, Index, and In	2025/02/10
[X] 32	Python: <code>.replace()</code>	Using Python's replace Function to Find and Replace String Values	2025/02/10
[X] 33	Python: [- negatives]	Using a Negative Index with a Python String	2025/02/10
[X] 34	Python: <code>.strip()</code> , <code>.lstrip()</code> , <code>.rstrip()</code>	Overview of Python's strip, lstrip, and rstrip Functions	2025/02/10
[X] 35	Python: <code>.partition()</code>	Guide to Python's Partition Function	2025/02/10
[X] 36	Python: <code>.split()</code>	Guide to the Python split Function	2025/02/10
[X] 37	Python: <code>.isalpha()</code> / <code>.isnumeric()</code>	How to Check if Strings Represent Numbers or Alphanumeric Characters in Python	2025/02/10
[X] 38		Course Checkpoint 3	2025/02/11
[X] 39	Python - Numbers	Section Introduction	2025/02/11
[X] 40	Python: Number types	Overview of Number Types in Python	2025/02/11
[X] 41	Python: Math operators	Mathematical Operators in Python	2025/02/11
[X] 42	Python: PEMDAS	Guide to the Order of Operations in Python	2025/02/11
[X] 43	Python: Assignment Operators (<code>+=</code> , <code>-=</code> , ...)	How to Use Assignment Operators in Python	2025/02/11
[X] 44	Python: Decimals & Floats	Decimal vs Float in Python	2025/02/11
[X] 45	Python: <code>int()</code> , <code>float()</code> , <code>Decimal()</code> , <code>complex()</code>	How to Convert Between the Integer, Float, Decimal and Complex Numeric Data Types in Python	2025/02/11
[X] 46	Python: <code>abs()</code> , <code>round()</code> , <code>math.floor()</code> , <code>math.ceil()</code> , <code>math.sqrt()</code> , <code>math.pow()</code> , <code>math.exp()</code> , <code>math.log()</code> , <code>math.log10()</code> , <code>math.pi()</code> , <code>math.tau()</code> , <code>math.e()</code> , <code>math.inf()</code> , <code>math.sin()</code> , <code>math.cos()</code> , Tangent Pi/4.	Overview of Popular Math Functions in Python	2025/02/12
[X] 47	Python Exercise	Build a Manual Exponent Function in Python	2025/02/12
[X] 48	Python - Data Structures	Section Introduction	2025/02/12
[X] 49	Python: Lists / <code>.insert()</code> - <code>.append()</code> - <code>list[index]</code> queries and reassignments	Overview of Lists in Python	2025/02/12
[X] 50	Python: Lists removals / <code>.remove()</code> - <code>.pop()</code> - <code>del list[index]</code> - <code>.clear()</code>	Three Ways to Remove Elements from a Python List	2025/02/12
[X] 51	Python: Nested Lists, Multiple data types.	Guide to Nested Lists and Best Practices for Storing Multiple Data Types in a Python List	2025/02/13

#	Type	Title	Date
[X] 52	Python: Querying Lists / <code>len()</code> - <code>index()</code> - Negatives Indexes <code>var[-X]</code>	Overview of Python List Query Processes: <code>len()</code> , Negative Indexes, and <code>index()</code>	2025/02/13
[X] 53	Python: Sorting lists / <code>sort()</code> - <code>sort(reverse=True)</code>	How to Sort Lists in Python	2025/02/13
[X] 54	Python: Building URI queries / <code>.join()</code>	Using the join Function in Python to Build a URL Query String	2025/02/13
[X] 55	Python: Lists' RANGES (1) / <code>list[startDelimiter : endDelimiter]</code>	Overview of Ranges in Python Lists	2025/02/13
[X] 56	Python: Lists RANGES and SLICES / <code>[inclusive : exclusive : interval] - .sort()</code>	Advanced Techniques for Implementing Ranges and Slices in Python Lists	2025/02/13
[X] 57	Python: Lists - Storing sorted values / <code>sorted(list)</code> - <code>sorted(list, reverse=True)</code>	Guide to the sorted Function in Python	2025/02/13
[X] 58	Python Exercise: Finding MEDIAN on a list.	How to Find the Median of a Python List with an Odd Number of Numbers	2025/02/14
[X] 59	Python: Lists - <code>slice(start, stop, step)</code> - <code>[start : stop : step]</code>	Working with the slice Class in Python to Store Slices	2025/02/14
[X] 60	Python: Lists -Adding items to a list with In Place and Simple Copyingmethods	How to Add to a List in Python with Both In Place and Copy Processes	2025/02/15
[X] 61	Python Exercise: Dictionaries, <code>for .. in, ranges, Numpy</code>	Build a Weighted Lottery Function in Python	2025/02/16
[X] 62	Python - Dictionaries: Querying items(By Indices, by Ranges,) - Adding/Removing/etc.	Overview of Python Dictionaries	2025/02/17
[X] 63	Python - Dictionaries: Nested Collections inside a Dictionary	Guide to Nested Collections in Python Dictionaries	2025/02/17
[X] 64	Python - Dictionaries: Adding new Keys/Values	How to Add New Key/Value Pairs to Python Dictionaries	2025/02/17
[X] 65	Python - Dictionaries: <code>.get(key, value)</code>	Guide to Using the get Function in Python Dictionaries to Configure Fallback Lookup Values	2025/02/17
[X] 66	Python - Dictionaries: <code>.keys()</code> - <code>.values()</code> - <code>.items()</code> - <code>.list()</code> - <code>.copy()</code> - <code>.list(dictionary.copy().items())</code> - <code>.list(dictionary.items()[a][b][c])"</code>	Guide to Python Dictionary View Objects	2025/02/17
[X] 67	Python - Dictionaries: <code>del dict('key')[value Index]</code> - <code>.pop()</code> - <code>.clear()</code>	Overview of the Multiple Methods for Deleting Items in a Python Dictionary	2025/02/18
[X] 68	Python - Dictionaries, Lists of nested dicts / <code>list(dictionary[INDEX].get('key', 'else').values())[INDEX]</code>	Guide to Working with Lists of Nested Dictionaries	2025/02/18
[X] 69	Python - Dict. Exercise: Multiplying integers with strings, <code>dict['key']</code> management.	Build a Histogram in Python with No 3rd Party Libraries	2025/02/18
[X] 70	Python - Tuples / Tuples' immutability.	Introduction to Python Tuples	2025/02/18
[X] 71	Python - Tuples: <code>id()</code> - Re-assigning by merging a value ('value',) to a new Tuple, then, renaming it to the original.	How to Add Elements to a Tuple by Leveraging Re-Assignment	2025/02/18
[X] 72	Python - Tuples: <code>the_tuple[index of Tuple][index of List]</code>	Working with Lists Nested in Tuples	2025/02/18
[X] 73	Python - Tuples: <code>the_tuple[start : stop : step]</code>	Guide to Slices in Python Tuples	2025/02/18
[X] 74	Python - Tuples: <code>the_tuple[index]</code> - <code>the_tuple[start : stop]</code> - <code>list(the_tuple) + the_tuple.remove('the_item') + the_tuple = tuple(the_tuple)</code>	Three Ways to Remove Elements from a Python Tuple	2025/02/18
[] 75		Course Checkpoint 4	

Module 2 keypoints:

- Setting up a Python environment.
 - Differences on Python versions.
 - Performing a well DOC research.
 - Primitive data types. How/When to use them.
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MODULE 3

PYTHON (ii) - Loops, Conditionals, Data Structure, DB.

Module 3 keypoints:

- Loops, conditionals, methods, functions.
 - Classes.
 - External modules. Using `pip`.
 - Webscrapping. Extracting data from websites using our own scripts.
 - Data structures. MongoDB.
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MODULE 4

JAVASCRIPT (i)

Module 4 keypoints:

- Variables.
 - Syntax.
 - Primitive data types.
 - Conditionals, loops, functions, function declaration, function expression.
 - OOP in general terms. Data structures. Async. CEC.
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MODULE 5

JAVASCRIPT (ii) - Latest Tools - NPM

MODULE 6 PART 1

JAVASCRIPT (iii)

MODULE 6 PART 2

GIT

MODULE 6 PART 3

UML (i)

Module 6 keypoints:

- Coding best practices using GIT.
 - DOM tree manipulations.
 - UML - Unified Modeling Language: Components, Diagrams,
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MODULE 7 PART 1

UML (ii)

MODULE 7 PART 2

REACT (i)

Module 7 keypoints:

- Applying UML in real scenarios.
 - React intro: Setting up. Node. Git. Dependences. API callback method using Axios.
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MODULE 8

REACT (ii)

Module 8 keypoints:

- Advancing on React : Managing SCSS Styles. Variables integration.
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MODULE 9

REACT (iii)

Module 9 keypoints:

- A deep research on React : Advance use on API's, custom fields styling, ...
 - Adding new workflows.
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MODULE 10

REACT (iv)

Module 10 keypoints:

- Mastering React :
 - Stringtags, Truncate.
 - Dropzone.
 - HOC implementation.
 - Redux Thunk.
 - Axios advanced use.
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MODULE 11

SQL

Module 10 keypoints:

- Creating, adding, getting, filtering, updating, reverting, deleting, data using SQL database.
 - Redis.
 - Hash.
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