

Coding Dojo Curriculum for Python (NC)						Name: _____		
Wk	Day	Course	Chapter	Assignment Title	Level	Est. Time	Date Completed	Hours Spent
1	Mon	Reading complete prior to morning discussion: All of <i>Introduction & Setup</i> Python Fundamentals: through <i>Loops</i>						
		Python	Introduction & Setup	Organizing Files	1	10 min		
				Practice pip and virtualenv	1	15 min		
			Python Fundamentals	Hello World	1	20 min		
				For Loop Basic I	1	1 - 2 hr		
				Functions Basic I	1	1 - 2 hr		
				Functions Basic II	1	1 - 2 hr		
				For Loop Basic II	1	1 - 2 hr		
				Functions Intermediate I	2	1 - 2 hr		
				Functions Intermediate II	2	1 - 2 hr		
				(optional) Selection Sort	3	0.5 - 2 hr		
				(optional) Insertion sort	3	0.5 - 2 hr		
				(optional) Underscore	3	0.5 - 2 hr		
				(optional) OpenCV	3	0.5 - 2 hr		
1	Tue	Reading complete prior to morning discussion: Python OOP: through <i>Methods</i>						
			Python OOP	User	1	0.5 - 1 hr		
				Chaining Methods	1	10 - 30 min		
				BankAccount	1	0.5 - 1 hr		
				Users with Bank Accounts	2	1 - 3 hr		
				Modular Practice	2	1 - 2 hr		
				(optional) Store & Products	2	2 - 3 hr		
				(optional) Intro to TDD	2	1 - 2 hr		
				(optional) Math Dojo	2	1 - 2 hr		
				(optional) MathDojo + TDD	2	1 - 2 hr		
1	Wed	Reading complete prior to morning discussion: Data Structures: through <i>Linked Lists</i>						
				Singly Linked Lists	3	2 - 6 hr		
				(optional) Doubly Linked Lists	3	2 - 6 hr		
				(optional) Zoo	4	3 - 5 hr		
		Reading complete prior to afternoon discussion: Flask Fundamentals: through <i>Routes</i>						
		Flask	Flask Fundamentals	Understanding Routing	1	0.5 - 1 hr		
1	Thur	Reading complete prior to morning discussion: Flask Fundamentals: through <i>POST Form Submission</i>						
				Playground	1	1 - 2.5 hr		
				Checkerboard	2	1 - 2 hr		
				HTML Table	1	0.5 - 1 hr		
				Dojo Survey	2	1 - 2 hr		
				Dojo Fruit Store	2	1 - 1.5 hr		
1	Fri	Reading complete prior to morning discussion: Flask Fundamentals: through <i>Session</i>						
				Counter	2	1 - 2 hr		
				Great Number Game	2	2 - 3 hr		
				Ninja Gold	2	2 - 6 hr		
2	Mon	Reading complete prior to morning discussion: Flask + MySQL: through <i>SQL Injection</i>						
		Flask+SQL	Adding SQL -> Flask	MySQL Connection Errors	1	20 min		
				C+R Pets	1	0.5 - 1 hr		
				Users	2	2 - 5 hr		
2	Tue	Reading complete prior to morning discussion: Flask + MySQL: through <i>Pattern Validation</i>						
				Dojo Survey with Validation	1	2 - 3 hr		
				Email Validation with DB	1	1 - 2 hr		
				Login and Registration	2	2 - 5 hr		
2	Wed			Private Wall	3	4 - 8 hr		
				(optional) Leads and Clients	2	1 - 2 hr		
				(optional) Admins	4	5 - 8 hr		

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2	Thu	Reading complete prior to morning discussion: Adding AJAX: through <i>Partials</i>						
			Adding AJAX	Username Availability	2	0.5 - 1 hr		
				Search Bar	2	0.5 - 1 hr		
				Private Wall 2.0	3	1 - 2 hrs		
				(optional) Five at a Time	3	2 - 3 hrs		
				(optional) Pagination	3	3 - 5 hrs		
				(optional) Athlete Search	3	3 - 5 hrs		
				(optional) The Wall	3	3 - 5 hrs		
IMPORTANT - Do not skip any mandatory assignments in Flask. Finish all the mandatory assignments first and then go to Django. Belt Exam can be taken in Flask or Django.								
2	Fri	Reading complete prior to morning discussion: Django Intro: through <i>Templates</i>						
		Django	Django Intro	Django App	1	0.5 - 1 hr		
				(optional) Multiple Apps	1	0.5 - 1 hr		
				Time Display	1	1 - 2 hr		
				Random Word Generator	1	1 - 2 hr		
				Ninja Gold	2	2 - 3 hr		
3	Mon	Reading complete prior to morning discussion: Django ORM: through <i>ORM CRUD Commands</i>						
			Django ORM	Users (Shell)	1	0.5 - 1 hr		
				Users with Template	2	1 - 3 hr		
				Dojo & Ninjas (Shell)	1	1 - 2 hr		
				Books/Authors (Shell)	1	1 - 2 hr		
				(optional) Sports ORM I	3	1 - 3 hr		
				(optional) Sports ORM II	3	2 - 4 hr		
3	Tue	Reading complete prior to morning discussion: Full Stack Django: through <i>Adding Validations</i>						
			Django Full Stack	Semi-Restful TV Shows	2	2 - 4 hr		
				Semi-Restful TV Shows Validated	1	2 - 3 hr		
				(optional) Courses	2	2 - 3 hr		
				Amadon	2	2 - 4 hr		
3	Wed	Reading complete prior to morning discussion: Briefly look over <i>Deployment</i> track						
				Login and Registration	2	2 - 4 hr		
		Deployment	Deployment	Deployment	3	1 - 2 hr		
3	Thu			The Wall	4	3 - 6 hr		
3	Fri			Favorite Books	3	4 - 7 hr		
				(optional) DojoReads	4	4 - 10 hr		
				(optional) User Dashboard	4	4 - 10 hr		
4	Mon	9AM: BELT EXAM!						
				POST BELT: Submit a wireframe & start working on a project!				
4	Tue			Clickable prototype/fix previous belt		10 - 12 hr		
				(optional) File Upload	3	1 - 3 hr		
				(optional) Face Detection	3	5 - 20 hr		
4	Wed			Implement backend/belt retake		10 - 12 hr		
4	Th			Implement backend/fix previous belt		10 - 12 hr		
4	Fri			Project Presentations/belt retake		3 hr		