**Course content**

41 sections • 490 lectures • 65h 39m total length

**Collapse all sections**

**Front-End Web Development**

11 lectures • 42min

* What You'll Get in This Course   Preview 03:08
* Download the Course Syllabus   Preview 00:12
* Download the Course Resources   Preview 00:17
* Download the 12 Rules to Learn to Code eBook [Latest Edition]  00:42
* How Does the Internet Actually Work?   Preview 05:42
* How Do Websites Actually Work?   Preview 06:20
* How to Get the Most Out of the Course  09:33
* What You'll Need to Get Started - Setup Your Local Web Development Environment  04:38
* Setup Packages  02:58
* How to Get Help When You're Stuck  06:39
* Pathfinder  02:20

**Introduction to HTML**

9 lectures • 1hr 19min

* Introduction to HTML  10:51
* The Anatomy of an HTML Tag  10:55
* What we're building - HTML Personal Site  02:52
* What is The HTML Boilerplate?  17:01
* How to Structure Text in HTML  11:00
* HTML Lists  05:24
* HTML Image Elements  07:32
* HTML Links and Anchor Tags  11:55
* How to Ace this Course  01:24

**Intermediate HTML**

10 lectures • 57min

* HTML Tables  11:57
* Using HTML Tables for Layout  02:17
* HTML Tables Code Challenge  01:44
* How to Type Emojis  01:02
* HTML Tables Solution Walkthrough  06:42
* HTML Forms  09:09
* Forms in Practice - Create a Contact Me Form  10:21
* HTML Challenge  1 question
* Publish Your Website!  10:13
* Tip from Angela - Habit Building with the Calendar Trick  02:52
* Get Monthly Tips and Tools to Level Up as a Developer  00:35

**Introduction to CSS**

10 lectures • 1hr 34min

* Introduction to CSS  03:04
* Inline CSS  10:35
* Internal CSS  21:37
* External CSS  08:29
* How to Debug CSS Code  15:11
* The Anatomy of CSS Syntax  13:38
* CSS Selectors  06:23
* Classes vs. Ids  11:44
* CSS Quiz  6 questions
* Tip from Angela - Dealing with Distractions  02:28
* Join the Student Community  00:39

**Intermediate CSS**

22 lectures • 2hr 58min

* What We'll Make - Stylised Personal Site  04:57
* What Are Favicons?  04:09
* HTML Divs  13:31
* The Box Model of Website Styling  19:40
* CSS Display Property  15:11
* Learn More About Web Design  00:09
* CSS Static and Relative Positioning  14:36
* Absolute positioning  12:12
* The Dark Art of Centering Elements with CSS  09:03
* Font Styling in Our Personal Site  14:17
* Learn More About Typography  00:10
* Adding Content to Our Website  06:52
* CSS Sizing  15:54
* Font Properties Challenge 1 - Change the Colours  00:22
* Font Properties Challenge 2 - Change the Font Weight  00:03
* Font Properties Challenge 3 - Change the Line Height  00:03
* CSS Font Property Challenge Solutions  03:57
* CSS Float and Clear  16:44
* CSS Challenge  00:34
* Stylised Personal Site Solution Walkthrough  21:22
* [Optional] Get More Practice HTML and CSS  00:17
* Tip from Angela - Nothing Easy is Worth Doing!  03:35

**Introduction to Bootstrap 4**

17 lectures • 2hr 36min

* What is Bootstrap?  15:59
* Installing Bootstrap  07:55
* Web Design 101 - Wireframing  11:38
* The Bootstrap Navigation Bar  21:05
* What We'll Make: TinDog   Preview 00:56
* Download the Starting Files  00:34
* Setting Up Our New Project  07:03
* Bootstrap Grid Layout System  20:17
* Getting Montserrat Black and other Font Weights  00:37
* Adding Grid Layouts to Our Website  09:39
* A Note About CSS Link Order  00:52
* Bootstrap Containers  05:54
* Bootstrap Buttons & Font Awesome  11:30
* Styling Our Website Challenges and Solutions  20:20
* Bootstrap Challenge 1  00:35
* Solution to Bootstrap Challenge 1  17:01
* Tip from Angela - How to Deal with Procrastination  04:08

**Intermediate Bootstrap**

15 lectures • 2hr 35min

* The Bootstrap Carousel Part 1  09:39
* The Bootstrap Carousel Part 2  17:20
* Bootstrap Cards  16:31
* The CSS Z-Index and Stacking Order  21:28
* Media Query Breakpoints  22:03
* Bootstrap Challenge 2  00:17
* Bootstrap Challenge 2 Solution  11:46
* How to become a Better Programmer - Code Refactoring  07:48
* Put it into Practice - Refactor our Website Part 1  19:20
* Advanced CSS - Combining Selectors  11:43
* Refactoring our Website Part 2  05:21
* Advanced CSS - Selector Priority  05:51
* Completing the Website  02:34
* Download the Completed Website  00:09
* Tip from Angela - Building a Programming Habit  02:46

**Web Design School - Create a Website that People Love**

6 lectures • 1hr 6min

* Introduction to Web Design   Preview 03:55
* Understanding Colour Theory  09:04
* Understanding Typography and How to Choose a Font  10:28
* Manage ATTENTION with effective User Interface (UI) Design   Preview 10:27
* User Experience (UX) Design  13:39
* Web Design in Practice - Let's apply what we've learnt!  18:20

**Introduction to Javascript ES6**

24 lectures • 2hr 28min

* Introduction to Javascript  11:49
* Javascript Alerts - Adding Behaviour to Websites  14:21
* Data Types  04:06
* Javascript Variables  09:35
* Javascript Variables Exercise Start  02:48
* Javascript Variables Exercise  1 question
* Javascript Variables Exercise Solution  03:28
* Naming and Naming Conventions for Javascript Variables  07:09
* Javascript Variable Naming Quiz  2 questions
* String Concatenation  03:07
* String Lengths and Retrieving the Number of Characters  06:24
* Slicing and Extracting Parts of a String   Preview 08:57
* Challenge: Changing Casing in Text  03:39
* Challenge: Changing String Casing Solution  08:59
* Basic Arithmetic and the Modulo Operator in Javascript  06:14
* Increment and Decrement Expressions  02:28
* Javascript Numbers Quiz  3 questions
* Functions Part 1: Creating and Calling Functions  10:35
* Functions Part 1 Challenge - The Karel Robot  09:08
* The Karel Chess Board Solution  00:18
* A Quick Note About the Next Lesson  00:12
* Functions Part 2: Parameters and Arguments  09:52
* Life in Weeks Coding Exercise  1 question
* Life in Weeks Solution  03:44
* Functions Part 3: Outputs & Return Values  11:16
* Challenge: Create a BMI Calculator  01:49
* BMI Calculator Challenge  1 question
* Challenge: BMI Calculator Solution  05:39
* JavaScript Functions Quiz  5 questions
* Tip from Angela - Set Your Expectations  02:35

**Intermediate Javascript**

15 lectures • 1hr 30min

* Random Number Generation in Javascript: Building a Love Calculator  11:15
* Control Statements: Using If-Else Conditionals & Logic  04:48
* Comparators and Equality  02:51
* Combining Comparators  02:46
* BMI Calculator Advanced (IF/ELSE)  1 question
* Introducing the Leap Year Code Challenge  04:16
* Leap Year Challenge Exercise  1 question
* Leap Year Solution  03:03
* Collections: Working with Javascript Arrays  09:01
* Adding Elements and Intermediate Array Techniques  15:58
* Who's Buying Lunch? Code Challenge  1 question
* Who's Buying Lunch Solution  03:43
* Control Statements: While Loops  07:52
* Solution to the 99 Bottles Challenge  00:45
* Control Statements: For Loops  06:10
* Introducing the Fibonacci Code Challenge  06:37
* The Fibonacci Exercise  1 question
* Fibonacci Solution  08:16
* Tip from Angela - Retrieval is How You Learn  02:52

**The Document Object Model (DOM)**

9 lectures • 56min

* Adding Javascript to Websites  10:44
* Introduction to the Document Object Model (DOM)  12:28
* Solution to the DOM Challenge  00:07
* Selecting HTML Elements with Javascript  14:17
* Manipulating and Changing Styles of HTML Elements with Javascript  05:01
* The Separation of Concerns: Structure vs Style vs Behaviour  05:57
* Text Manipulation and the Text Content Property  02:37
* Manipulating HTML Element Attributes  02:27
* Tip from Angela - The 20 Minute Method  02:39

**Boss Level Challenge 1 - The Dicee Game**

11 lectures • 20min

* Challenge: The Dicee Challenge  02:14
* Dicee Challenge Step 0 - Download the Skeleton Project  00:07
* Dicee Challenge Step 1 - Create an External Javascript File  00:03
* Dicee Challenge Step 2 - Add Dice Images  00:06
* Dicee Challenge Step 3 - Create a Random Number  00:09
* Dicee Challenge Step 4 - Change the <img> to a Random Dice  00:14
* Dicee Challenge Step 5 - Change both <img> Elements  00:02
* Dicee Challenge Step 6 - Change the Title to Display a Winner  00:15
* The Solution to the Dicee Challenge  14:43
* Download the Completed Website  00:07
* Tip from Angela - Learning Before you Eat  02:06

**Advanced Javascript and DOM Manipulation**

15 lectures • 1hr 35min

* What We'll Make: Drum Kit   Preview 01:19
* Download the Starting Files  00:07
* Adding Event Listeners to a Button  14:29
* Higher Order Functions and Passing Functions as Arguments  12:40
* Higher Order Function Challenge Solution  00:08
* How to Play Sounds on a Website  11:11
* A Deeper Understanding of Javascript Objects  12:04
* How to Use Switch Statements in Javascript  05:22
* Objects, their Methods and the Dot Notation  06:29
* A Quick Note About the Next Lesson  00:14
* Using Keyboard Event Listeners to Check for Key Presses  07:37
* Understanding Callbacks and How to Respond to Events  11:35
* Adding Animation to Websites  08:31
* Download the Completed Website  00:09
* Tip from Angela - Dealing with Lack of Progress  03:08

**jQuery**

11 lectures • 53min

* What is jQuery?  03:44
* How to Incorporate jQuery into Websites  09:08
* How Minification Works to Reduce File Size  03:59
* Selecting Elements with jQuery  02:01
* Manipulating Styles with jQuery  05:13
* Manipulating Text with jQuery  03:36
* Manipulating Attributes with jQuery  03:44
* Adding Event Listeners with jQuery  07:47
* Adding and Removing Elements with jQuery  02:58
* Website Animations with jQuery  08:13
* Tip from Angela - Mixing Knowledge  02:20

**Boss Level Challenge 2 - The Simon Game**

25 lectures • 15min

* What You'll Make: The Simon Game  01:00
* Play the Game  00:06
* Step 0 - Download the Starting Files  00:30
* Step 1 - Add Javascript and jQuery  00:25
* Step 1 - Answer  00:29
* Step 2 - Create A New Pattern  00:49
* Step 2 - Answer  00:29
* Step 3 - Show the Sequence to the User with Animations and Sounds  00:23
* Step 3 - Answer  00:29
* Step 4 - Check Which Button is Pressed  00:47
* Step 4 - Answer  00:29
* Step 5 - Add Sounds to Button Clicks  00:22
* Step 5 - Answer  00:29
* Step 6 - Add Animations to User Clicks  00:26
* Step 6 - Answer  00:29
* Step 7 - Start the Game  00:46
* Step 7 - Answer  00:29
* Step 8 - Check the User's Answer Against the Game Sequence8  01:15
* Step 8 - Answer  00:29
* Step 9 - Game Over  00:22
* Step 9 - Answer  00:29
* Step 10 - Restart the Game  00:07
* Step 10 - Answer  00:29
* Download the Completed Project Code  00:20
* Tip from Angela - Dealing with Frustration  02:31

**The Unix Command Line**

6 lectures • 35min

* Installing the Hyper Terminal  00:50
* Command Line Hyper Setup  04:53
* Understanding the Command Line. Long Live the Command Line!  05:55
* Command Line Techniques and Directory Navigation  10:13
* Creating, Opening, and Removing Files through the Command Line  09:09
* Tip from Angela - Sleep is My Secret Weapon  03:48

**Backend Web Development**

1 lecture • 8min

* Backend Web Development Explained  08:02

**Node.js**

8 lectures • 39min

* What is Node.js?   Preview 05:40
* Install Node.js on Mac  00:32
* Install Node.js on Windows  00:25
* The Power of the Command Line and How to Use Node  06:27
* The Node REPL (Read Evaluation Print Loops)  02:39
* How to Use the Native Node Modules  08:19
* The NPM Package Manager and Installing External Node Modules  13:44
* Tip from Angela - Step Up to the Challenge  01:14

**Express.js with Node.js**

13 lectures • 1hr 14min

* What is Express?  03:24
* Creating Our First Server with Express  11:29
* Handling Requests and Responses: the GET Request  08:12
* Nodemon Installation  01:12
* Understanding and Working with Routes  09:23
* What We'll Make: A Calculator  01:52
* Calculator Setup Challenge  00:25
* Calculator Setup: Challenge Solution  05:43
* Responding to Requests with HTML Files  07:40
* Processing Post Requests with Body Parser  14:19
* BMI Routing Challenge  00:51
* Solution to the BMI Routing Challenge  06:29
* Tip from Angela - How to Solidify Your Knowledge  02:55

**APIs - Application Programming Interfaces**

14 lectures • 2hr 33min

* Why Do We Need APIs?  08:50
* API Endpoints, Paths and Parameters.  10:59
* API Authentication and Postman  11:34
* What is JSON?  04:54
* Making GET Requests with the Node HTTPS Module  13:00
* How to Parse JSON  13:05
* Using Express to Render a Website with Live API Data  08:23
* Using Body Parser to Parse POST Requests to the Server  10:05
* The Mailchimp API - What You'll Make  02:41
* Setting Up the Sign Up Page  20:52
* Posting Data to Mailchimp's Servers via their API  18:37
* Adding Success and Failure Pages  08:55
* Deploying Your Server with Heroku  18:38
* Tip from Angela - Location, Location, Location!  02:06

**Git, Github and Version Control**

10 lectures • 1hr 25min

* Introduction to Version Control and Git  02:35
* Version Control Using Git and the Command Line  15:02
* GitHub and Remote Repositories  11:00
* GitHub Private Repos are now Free! ?  00:11
* Gitignore  12:02
* Cloning  05:05
* Branching and Merging  17:25
* Optional Git Challenge  00:05
* Forking and Pull Requests  17:08
* Tip from Angela - Spaced Repetition  04:01

**EJS**

11 lectures • 2hr 9min

* What We'll Make: A ToDoList   Preview 00:46
* Linter Errors with EJS  00:08
* Templates? Why Do We Need Templates?  15:10
* Creating Your First EJS Templates  17:53
* Running Code Inside the EJS Template  06:33
* Passing Data from Your Webpage to Your Server  25:05
* The Concept of Scope in the Context of Javascript  08:40
* Adding Pre-Made CSS Stylesheets to Your Website  16:14
* Understanding Templating vs. Layouts  13:35
* Understanding Node Module Exports: How to Pass Functions and Data between Files  21:45
* Tip from Angela - Use Accountability in your Favour  02:56

**Boss Level Challenge 3 - Blog Website**

45 lectures • 2hr 38min

* A New Challenge Format and What We'll Make: A Blog   Preview 06:18
* Setting Up the Blog Project  07:06
* Challenge 1  04:04
* Challenge 1 Solution  02:37
* Challenge 2  04:07
* Challenge 2 Solution  02:09
* Challenge 3  02:37
* Challenge 3 Solution  02:31
* Challenge 4  02:05
* Challenge 4 Solution  01:52
* Challenge 5  02:47
* Challenge 5 Solution  04:16
* Challenge 6  01:24
* Challenge 6 Solution  01:15
* Challenge 7  00:59
* Challenge 7 Solution  01:54
* Challenge 8  03:26
* Challenge 8 Solution  03:36
* Challenge 9  04:42
* Challenge 9 Solution  06:33
* Challenge 10  02:24
* Challenge 10 Solution  03:13
* Challenge 11  03:21
* Challenge 11 Solution  03:00
* Challenge 12  01:55
* Challenge 12 Solution  02:34
* Challenge 13  02:46
* Challenge 13 Solution  03:37
* Challenge 14 and Solution  06:28
* Challenge 15  01:41
* Challenge 15 Solution  03:14
* Express Routing Parameters  06:38
* Challenge 16  01:55
* Challenge 16 Solution  02:32
* Challenge 17  03:54
* Challenge 17 Solution  05:30
* Challenge 18  06:04
* Challenge 18 Solution  04:19
* Challenge 19  02:57
* Challenge 19 Solution  04:54
* Challenge 20  02:58
* Challenge 20 Solution  03:18
* Challenge 21  02:15
* Challenge 21 Solution  03:44
* Tip from Angela - When Life Gives You Lemons  06:01

**Databases**

1 lecture • 20min

* Databases Explained: SQL vs. NOSQL   Preview 19:58

**SQL**

6 lectures • 36min

* SQL Commands: CREATE Table and INSERT Data  13:48
* SQL Commands: READ, SELECT, and WHERE  03:10
* Updating Single Values and Adding Columns in SQL  04:42
* SQL Commands: DELETE  01:32
* Understanding SQL Relationships, Foreign Keys and Inner Joins  11:13
* Tip from Angela - Find All the Hard Working People  02:01

**MongoDB**

10 lectures • 1hr 12min

* Installing MongoDB on Mac  12:34
* Installing MongoDB on Windows  09:20
* MongoDB CRUD Operations in the Shell: Create  09:37
* MongoDB CRUD Operations in the Shell: Reading & Queries  06:22
* MongoDB CRUD Operations in the Shell: Update  04:07
* MongoDB CRUD Operations in the Shell: Delete  01:45
* Relationships in MongoDB  06:12
* Working with The Native MongoDB Driver  19:03
* If You Have Forgotten to Quit the Mongod Server  00:30
* Tip from Angela - Daily Routines  02:34

**Mongoose**

6 lectures • 56min

* Introduction to Mongoose  20:26
* Reading from Your Database with Mongoose  07:28
* Data Validation with Mongoose  07:55
* Updating and Deleting Data Using Mongoose  10:06
* Establishing Relationships and Embedding Documents using Mongoose  06:45
* Tip from Angela - Deep Work  03:01

**Putting Everything Together**

8 lectures • 1hr 34min

* Let's take the ToDoList Project to the Next Level and Connect it with Mongoose  16:46
* Rendering Database Items in the ToDoList App  13:25
* Adding New Items to our ToDoList Database  03:56
* Deleting Items from our ToDoList Database  13:48
* Creating Custom Lists using Express Route Parameters  16:12
* Adding New Items to the Custom ToDo Lists  07:31
* Revisiting Lodash and Deleting Items from Custom ToDo Lists  19:10
* Tip from Angela - One Step at a Time  02:54

**Deploying Your Web Application**

4 lectures • 33min

* How to Deploy Web Apps with a Database  05:02
* How to Setup MongoDB Atlas  13:41
* Deploying an App with a Database to Heroku  12:13
* Tip from Angela - Discipline Breeds Discipline  02:20

**Boss Level Challenge 4 - Blog Website Upgrade**

8 lectures • 10min

* Challenge: Give your Blog a Database  02:31
* Step 0 - Download the Starting Files  00:06
* Step 1 - Save Composed Posts with MongoDB  00:35
* Step 2 - Get the Home Page to Render the Posts  00:14
* Step 3 - Fix the bug  00:18
* Step 4 - Render the correct blog post based on post \_id  00:32
* Completed Blog with Database Solution  00:09
* Tip from Angela - Dealing with Limitations  05:22

**Build Your Own RESTful API From Scratch**

14 lectures • 1hr 46min

* What is REST?  17:08
* Creating a Database with Robo 3T  09:29
* Set Up Server Challenge  02:09
* Set Up Server Solution  07:30
* GET All Articles  06:50
* POST a New Article  12:51
* DELTE All Articles  05:11
* Chained Route Handlers Using Express  07:07
* GET a Specific Article  14:02
* PUT a Specific Article  10:32
* PATCH a Specific Article  07:17
* DELETE a Specific Article  04:04
* Download the Completed Project Code  00:08
* Tip from Angela - How to Get a Job as Programmer  02:06

**Authentication & Security**

15 lectures • 3hr 33min

* Introduction to Authentication  05:46
* Getting Set Up  07:26
* Level 1 - Register Users with Username and Password  14:42
* How to Review the Source Code  00:39
* Level 2 - Database Encryption  16:35
* Using Environment Variables to Keep Secrets Safe  17:40
* Level 3 - Hashing Passwords  15:25
* Hacking 101 ☣️  12:28
* Level 4 - Salting and Hashing Passwords with bcrypt  20:41
* What are Cookies and Sessions?  08:19
* Using Passport.js to Add Cookies and Sessions  29:30
* Level 6 - OAuth 2.0 & How to Implement Sign In with Google  47:46
* Finishing Up the App - Letting Users Submit Secrets  13:40
* Download the Completed Project Code  00:19
* Tip from Angela - How to Work as a Freelancer  01:37

**React.js**

46 lectures • 8hr 54min

* What is React?   Preview 07:28
* What we will make in this React module  01:34
* Introduction to Code Sandbox and the Structure of the Module  05:50
* Introduction to JSX and Babel  16:12
* JSX Code Practice  07:34
* Javascript Expressions in JSX & ES6 Template Literals  11:42
* Javascript Expressions in JSX Practice  08:34
* JSX Attributes & Styling React Elements  16:58
* Inline Styling for React Elements  08:41
* React Styling Practice  09:59
* React Components  15:47
* React Components Practice  05:01
* Javascript ES6 - Import, Export and Modules  11:10
* Javascript ES6 Import, Export and Modules Practice  04:04
* [Windows] Local Environment Setup for React Development  13:52
* [Mac] Local Environment Setup for React Development   13:40
* Newer Versions of Node Troubleshooting  00:23
* Keeper App Project - Part 1 Challenge  04:57
* Keeper App Part 1 Solution  14:07
* React Props  16:44
* React Props Practice  13:19
* React DevTools  17:19
* Mapping Data to Components  10:20
* Mapping Data to Components Practice  17:30
* Javascript ES6 Map/Filter/Reduce  20:21
* Javascript ES6 Arrow functions  09:56
* Keeper App Project - Part 2  10:23
* React Conditional Rendering with the Ternary Operator & AND Operator  19:24
* Conditional Rendering Practice  06:33
* State in React - Declarative vs. Imperative Programming  09:38
* React Hooks - useState  18:09
* useState Hook Practice  07:24
* Javascript ES6 Object & Array Destructuring  17:44
* Javascript ES6 Destructuring Challenge Solution  05:48
* Event Handling in React  11:10
* React Forms  13:40
* Class Components vs. Functional Components  06:24
* Changing Complex State  19:43
* Changing Complex State Practice  07:08
* Javascript ES6 Spread Operator  10:58
* Javascript ES6 Spread Operator Practice  12:20
* Managing a Component Tree  22:37
* Managing a Component Tree Practice  08:27
* Keeper App Project - Part 3  25:05
* React Dependencies & Styling the Keeper App  16:38
* Tip from Angela - How to Build Your Own Product  02:14

**Web3 Decentralised App (DApp) Development with the Internet Computer**

7 lectures • 1hr 12min

* What is Web3?  07:38
* How does the Blockchain actually work?  25:45
* What are DApps (Decentralised Apps) and how do you develop them?   Preview 09:18
* What is the Internet Computer (ICP)?  09:18
* Read Me!  00:40
* [Mac Users] Installation and Setup for Web3 Development  07:03
* [Windows Users] Installation and Setup for Web3 Development  12:45

**Build Your First Defi (Decentralised Finance) DApp - DBANK**

10 lectures • 1hr 45min

* What You'll Build - DBANK (Inspired by Compound)   Preview 02:16
* Introduction to the Motoko Language  12:36
* Motoko Functions and the Candid User Interface  16:00
* Motoko Conditionals and Type Annotations  05:34
* Query vs. Update Methods  08:09
* Orthogonal Persistance  08:03
* Tracking Time and Calculating Compound Interest  17:35
* Motoko Language Quiz  5 questions
* Adding HTML and CSS to Create the Frontend for DBANK  07:35
* Connecting the Motoko Backend to our JS Frontend  27:07
* Where to Get Help and Support for Development on the Internet Computer  00:21

**Deploying to the ICP Live Blockchain**

6 lectures • 30min

* What are Cycles and the ICP Token?  07:07
* No Cycles, No Problems!  00:34
* How to Claim Free Cycles from Dfinity  05:21
* How to Deploy to the ICP Network  03:05
* How to Convert ICP into Cycles?  05:57
* [Optional] How to Deploy a Static Website onto the ICP Blockchain for Hosting  07:38

**Building DApps on ICP with a React Frontend**

4 lectures • 56min

* How to Configure a DFX Created Project to Use React  11:25
* Storing Data on a Canister  16:04
* Retrieving Data from a Canister  11:58
* Deleting and Persistance  16:35

**Create Your Own Crypto Token**

11 lectures • 2hr 19min

* Tokens and Coins: What are they and how are they used?  09:17
* Download and Configure the Skeleton Project  06:10
* Using Motoko Hashmaps to Store Token Balances  19:34
* Showing the User's Token Balance on the Frontend  13:58
* Creating the Faucet Functionality Using the Shared Keyword  15:16
* Creating the Transfer Functionality  20:52
* Using the Transfer Functionality in the Faucet  06:39
* Persisting Non-Stable Types Using the Pre- and Postupgrade Methods  15:43
* What is the Internet Identity?  05:30
* Authenticating with the Internet Identity  07:56
* [Optional] Live Deployment to Test Internet Identity Authentication   Preview 18:27

**Minting NFTs and Building an NFT Marketplace like OpenSea**

10 lectures • 3hr 34min

* What You'll Build - A Website to Mint, Buy and Sell NFTs   Preview 10:23
* Minting NFTs  16:43
* Viewing the NFT on the Frontend  20:02
* Enabling the Minting Functionality on the Frontend  30:38
* Displaying Owned NFTs Using the React Router  36:39
* Listing NFTs for Sale  33:48
* Styling the Listed NFTs  11:17
* Creating the "Discover" Page  22:37
* Buying NFTs  32:02
* Join the $6 Million Dollar Supernova Hackathon  00:17

**Optional Module: Ask Angela Anything**

4 lectures • 2hr 44min

* AAA 1 - How to Soak in Programming Concepts and more...  39:42
* AAA 2 - Schedule for Learning to Code and more...  39:08
* AAA 3 - How to Start Freelancing and more...  25:19
* AAA 4 - The Live AMA  59:52

**Next Steps**

2 lectures • 1min

* Vote for the Next Module!  00:12
* Bonus Lecture  00:04