WebDevelopment -2212 Cohort

Notes for use:

  ➢ *Select the outline icon the outline left of the document to quickly navigate to later weeks*

Week 1 - Unit 01: Vanilla DOM	
Lesson	**Module**
Unit 00: Orientation (1/9)	• Session 1 Bootcamp Orientation
HTML & CSS (1/11)	• Vanilla DOM: Module 2 - CSS Drills
HTML & CSS Flexbox (1/12)	• Vanilla DOM: Module 3 - Landing Page Liftoff
Homework / Async work	
☐ https://github.com/FullstackAcademy/dealers-choice-html-css	
Week 2 - Unit 01: Vanilla DOM	
Lesson Topic	**Proof of Progress**
Document Object Model (1/18)	• Vanilla DOM: Module 7 - Selector.js
Event Handling User Interaction (1/19)	• Vanilla DOM: Module 8 - Pixelate
Practical Debugging	• Vanilla DOM: Module 5 - Practical Debugging
Homework / Async work	
☐ https://github.com/FullstackAcademy/dealers-choice-html-css-js	
Week 3 - Servers & Databases	
Lesson Topic	**Proof of Progress**
Node (1/23)	• Servers and Databases: Module 1 - Node Shell
Express (1/25)	• Servers & Databases: Module 2 - Wizard News (Part 1)
(1/26)	• Finish up & review Servers & Databases: Module 2 - Wizard News (Part 1) • As time allows, begin Servers & Databases: Module 5 - Dealer's Choice Express
Homework / Async Work	
• Complete Servers & Databases: Module 5 - Dealer's Choice Express • https://github.com/FullstackAcademy/dealers-choice-express-js • Servers & Databases: Module 3 - Setting up PostgreSQL	

Week 4 - Servers & Databases

Lesson Topic	Proof of Progress
Databases SQL (1/30)	- Review Servers & Databases: Module 3 - Setting up PostgreSQL - Servers & Databases: Module 4 - SQL
Schema Design (2/1)	Servers & Databases: Module 6 - Schema Design for Relational Databases
Node PG (2/2)	Servers & Databases: Module 7 - Wizard News (Part 2)
Homework / Async Work	
	Servers & Databases: Module 9 - Dealer's Choice PostgreSQL

Week 5 - Servers & Databases

Lesson Topic	Proof of Progress
Express Rounding Out - POST - Error Handling - Routers (2/6)	Servers & Databases: Module 8 - Wizard News (Part 3)
ORMs Sequelize (2/8)	Servers & Databases: Module 10 - Bookmarker
ORMs Features (2/9)	Continue work on Servers & Databases: Module 10 - Bookmarker
Homework/Async Work	

- Servers & Databases: Module 9 - Dealer's Choice PostgreSQL

Week 6 - Servers & Databases

Lesson Topic	Proof of Progress
Sequelize Associations (2/13)	Servers & Databases: Module 11 - People, Places, and Things
RESTful APIs using Sequelize (2/15)	Servers & Databases: Module 12 - The Acme Country Club
Adding Features to a RESTful API (2/16)	Develop skills to include in the Pillars Project
Homework/Async	

- [Dealer's Choice Sequelize](#)

Week 7 - Servers & Databases

Lesson Topic	Proof of Progress
Servers & Databases (2/20)	Review

(2/22)	● Pillars Practice
(2/23)	● Pillars Project

Week 8 - Servers & Databases	
Lesson Topic	**Proof of Progress**
Webpack (2/27)	● Servers & Databases: Module 14 - Acme User Directory
Single Page Applications (3/1)	● Puppy Bowl Workshop
Single Page Applications (3/2)	● Puppy Bowl Workshop

Homework/Async Work
● [Dealer's Choice SPA Single Page Application](#)

Week 9 - React	
Lesson Topic	**Proof of Progress**
React / React Lifecycle (3/6)	● React Intro
React Applications (⅜)	● React Components and Webpack
React Applications (3/9)	● React Components and Webpack

Homework/Async Work
● [Dealer's Choice](#)

Week 10 - State Management	
Lesson Topic	**Proof of Progress**
Review (3/13)	● Review
React-Redux (3/15)	● Redux and React Redux
Middleware and Combine Reducers (3/16)	● Redux combineReducers and Middleware

Homework/Async Work
● https://github.com/FullstackAcademy/dealers-choice-react-redux

Week 11 - State Management	
Lesson Topic	**Proof of Progress**
React Router (3/20)	● React Router

React Forms (3/22)	● ToDo List
Junior Phase Final Project Review (3/23)	● Goodie Bag

Week 12 - Review

Lesson Topic	Proof of Progress
Junior Phase Final Project Review (continued) (3/27)	● Goodie Bag ● Draw the Stack
Sockets (3/29)	● Full Stack: Module 1 - ToDo List with Sockets
Junior Phase Final Project (3/30)	● Completion of Junior Phase Final Project

Week 13 - Junior Phase Final Project

Lesson Topic	Proof of Progress
Junior Phase Final Project (4/3, 04/05, 04/06)	● Completion of Junior Phase Final Project

Week 14 - Authentication

Lesson Topic	Proof of Progress
Algorithms(4/10)	● Linked Lists
Algorithms(4/12)	● Binary Search Trees
Algorithms(4/13)	● Bubble Sort, Merge Sort
Homework: Data Structures	

Week 15 - Algorithms

Lesson Topic	Proof of Progress
JWT Authentication (4/17)	● JWT Authentication and Password Hashing
OAuth (4/19)	● GitHub OAuth
Continuous Integration (4/20)	● Continuous Integration
Homework: Acme Hr App	

Week 16 - 18 - Senior Phase (4/24 to 5/4)

Lesson Topic	Proof of Progress
Industry Simulation	● Grace Shopper

Working in Development Teams	
REACTO Lecture: Intro to REACTO	• Pair Sum • Three Sum

Week 19 - Senior Phase (05/08, 05/10, 05/11)	
Lesson Topic	**Proof of Progress**
Independent Learning	• Stackathon
REACTO Lecture: Stacks, Queues, and Linked Lists	• Merge to LInked Lists • Balanced Brackets
Homework: Finish Stackathon	

Week 20 - Senior Phase (05/15, 05/17, 05/19)	
Lesson Topic	**Proof of Progress**
Industry Simulation	• Capstone: What is your MVP?

	• Capstone: Create:
	   ○ Team Contract
	   ○ Github Repo and /or Github Org created (if applicable)
	   ○ Group Slack Channel

	• Capstone: Project tasks breakdown

	• Capstone:
	   ○ Confirm proof of concept plan
	   ○ Wireframes, schema, tech stack (if necessary)

Week 21 - Senior Phase (05/22, 05/24, 05/26)	
Lesson Topic	**Proof of Progress**
Industry Simulation	• Capstone: Present proof of concept to ITM
REACTO Lecture: Object Oriented Programming	• Transit Tracker

Week 22 - Senior Phase (05/31, 06/01)	
Lesson Topic	**Proof of Progress**
Industry Simulation	• Capstone
REACTO Lecture: Trees and Graphs	• Solve Graph • River Sizes

Week 23 - Senior Phase (06/05, 06/07, 06/08)

Lesson Topic	Proof of Progress
Industry Simulation	• Capstone
REACTO: Dynamic Programming	• Subset Sum • Rain Collector

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<tr><td colspan="2" style="text-align:center">Week 24 - Senior Phase (06/12, 06/14, 06/16)</td></tr>
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Lesson Topic	Proof of Progress
Industry Simulation	• Capstone
REACTO: System Architecture	• Fandango

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<tr><td colspan="2" style="text-align:center">Week 25 - Senior Phase (06/21, 06/22)</td></tr>
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Lesson Topic	Proof of Progress
Industry Simulation	• Capstone
Graduation 🎓	• Fullstack Academy Certificate 📜