



COHORT 3.0 BACKEND PROGRAM CALENDAR

September 2023

Sun	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4 Orientation day	5	6	7	8	9
10	11 Introduction to web development	12	13 Introduction to web development	14	15 Onboarding Visit	16
17	18 Introduction to Javascript	19	20 Variables Declaration	21	22 Datatypes in javascript	23
24	25 Js Methods (strings)	26	27 Js Methods(numbers)	28	29 Js Methods (objects)	30

October 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 Js Methods (Arrays)	3	4 Js Methods (Dates)	5	6 Scope in javascript	7
8	9 Operators in javascript	10	11 Control Flows(Conditionals and loops)	12	13 Java Script Functions	14
15	16 Document Object Model	17	18 General Review	19	20	21
22	23 Overview of node.js	24	25 Setting up Node.js	26	27 Basic Concept of Node.js(module,Events,Streams)	28 Outdoor sport
29	30 Understanding callbacks and promises	31				

November 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Using async/await asynchronous programming	2	3 Handling errors in Node.js	4
5	6 Overview of web development with node.js	7	8 Using the built-in HTTP module.	9	10 Serving static files with express	11
12	13 Introduction to databases (MySQL and MongoDB).	14	15 Working with databases (MySQL and MongoDB).	16	17 Working with databases (MySQL and MongoDB)	18
19	20 Overview of GitHub	21	22 Business dev. class with Dickson	23	24 Using MongoDB with node.js	25
26	27 Overview of RESTful APIs.	28	27 Creating CRUD operations with express using the MVC mode	30		

December 2023

					1 Creating CRUD operations with express using the MVC mode	2
3	4 Creating CRUD operations with express using the MVC mode	5	6 Creating CRUD operations with express using the MVC mode	7	8 Consuming RESTful APIs with fetch and axios API.	9
10	11 Understanding middleware.	12	13 Implementing middleware for authentication and authorization	14	15 2nd project	16 Indoor game
17	18 Implementing middleware for authentication and authorization	19	20 Implementing middleware for authentication and authorization	21	22 Validating user's data in express API.	23
24	25 Implementing a row-based API using MySQL, sequelize and express in node.js	26	27 Implementing a row-based API using MySQL, sequelize and express in node.js	28	29 Implementing a row-based API using mongoDB and express in node.js	30
31						

January 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Implementing a row-based API using mongoDB and express in node.js	2	3 Working with images	4	5 Document referencing with mongoDB and express.	6
7	8 Understanding WebSocket and Socket.IO	9	10 Understanding WebSocket and Socket.IO	11	12 Mentorship	13 Outdoor game
14	15 o Building a real-time chat application with socket.IO	16	17 Building a real-time chat application with socket.IO	18	19 Building a real-time chat application with socket.IO	20
21	22 o Deployment strategies for node.js applications.	23	24 o Deployment strategies for node.js applications.	25	26 o Deployment strategies for node.js applications.	27
28	29 Best practices for node.js in production. Class day	30	31 Best practices for node.js in production. day			

February 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Best practices for node.js in production.	2	3
4	5 Scaling node.js application	6	7 Scaling node.js application	8	9 Scaling node.js application	10
11	12	13	14	15	16	17

18	19 C4 registration starts	20	21 Projects starts	22	23 Class ends	24
25	26 Project	27 Project	28 Project	29 Project		

March 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 C4 registration ends	2
3	4 Project	5 Project	6 Project	7 Project	8 Project	9
10	11 Interview	12 Interview	13 Interview	14 Interview	15 Interview	16
17	18	19	20	21 Hackathon day	22 Graduation day	23
24	25	26	27	28	29	30
31						