

Building REST API's using Node JS

Workshop Plan



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Overview

1. Prerequisite
2. Workshop Topics
3. Batch Plan
4. Tasks Plan

Prerequisites

Node.js is a very powerful JavaScript-based framework/platform built on Google Chrome's JavaScript V8 Engine. Participants should have a basic understanding of Node with Express framework as we are going to develop REST API's.

Workshop Topics

1. Basic Understanding of Node Js and Its Architecture
2. Create REST API's using Express framework
3. Understand JWT authentication module for API access
4. Understand Joi package for data validations
5. Use mysql connector to connect to mysql database for API services
6. Create REST API's using Node, Express and Mysql

Batch Plan

Batch Name	Participants	Workshop Date	Review Date	Feedback Date
Batch1	Akhila Denny Aleena Seby Jincy Johnson Parameswari Devi Pouranam Nair Ramseena Sincy Jacob	18/12/2018 to 02/01/2019	03/01/2019	04/01/2019

Tasks Plan- 18/12/2018 to 02/01/2019

Sl. No.	Date	Task	Evaluating the Assessment	Time (in hrs)
1	19-Dec-2018	Basic understanding of Node and its architecture	Discuss individually what they understood	8
2	20-Dec-2018	Understand basic about http module and create sample project	Create an http server and provides services to all http methods	8
3	21-Dec-2018	Understand express framework and create sample project	Create REST API using Node with Express package	8
4	26-Dec-2018	Authenticate a Node.js API with JSON Web Token (JWT) package	Create a login authentication service to provide a token for API access	8
5	27-Dec-2018	Data validation for API using Joi package	Create REST API which validates different datatypes such as string, number, email, date, etc.	8
6	28-Dec-2018	Building a RESTful CRUD API using mysql package	Create REST API using Express and mysql package with CRUD operations	8
7	31-Dec-2018	Create a POC application in Node JS using express and mysql	Create REST API using express and mysql	16



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