

Module 3: Asynchronous Programming

Assignment Document

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Question 1: Write a Node program for the following scenario:

1. Developer should provide 2 JSON Files
 - The First JSON File should contain Employee Name along with Employee Details and Project ID
 - Second JSON File should contain information about the Projects (containing Project ID and Related Details)
2. Create 2 APIs, providing the following details:
 - First API would take the Employee Id as Input and Queries the underlying JSON File to fetch Employee Data at: (localhost:3000/employee/:id)
 - Second API would take the Project ID as input and Query the JSON File to fetch Project Information at: (localhost:3000/project/:id)
3. Using the above specified APIs, create a new API at: (localhost:3000/getemployeedetails)

This API would get the Employee Data along with the details about the project.
(Make Use of fetch and promise to resolve API)

When a query is made to the Employee API, it will fetch Employee Details, along with the Project ID. This Project ID can then be used in order to query the Project API to fetch the data. The resultant data of the API at:(localhost:3000/getemployeedetails) should contain details about the employee as well as details about his Project and should be returned in form of JSON data to the Client

Question 2: Create an Application which displays the Employees List to the user

1. Application will make a call to the API
(<http://5c055de56b84ee00137d25a0.mockapi.io/api/v1/employees>) using Request Object
2. Once the data is available, the employee list along with the details should be visible to the User
3. The employee details would contain:
 - Name
 - Id
 - Created At