

PRACTICE TEST – No.1

Module: NodeJs (Duration: 60 minutes)

Create a RESTFul API application using Nodejs, ExpressJs and Mongoose following requirements:

1. Install Application using **express-generator** [1 mark]
2. Install **mongoose** package to connecting MongoDB [1 mark]
- 3 .Settings mongoose in express with the condition that the mongoDB server connects successfully first, then it is the express server's turn to start at port **8080** [1 marks]
4. Install and settings **nodemon** package [1 marks]
5. Making Resources articles (includes **Article Model** and routes as below)

Build a **articleSchema** as example request Body below, then define **Article Model** [3 marks]

Endpoints	Method	Description	Response	Marks
api/v1/articles	GET	Get All articles	Json string containing articles list	2 marks
api/v1/articles/:id	GET	Get a article details	Json string containing a article details	2 marks
api/v1/articles	POST	Create a new article	Json string containing the information the article just added	3 marks

Example Request Body: <pre>{ title: "Apple released OS 15 beta", keyword: "apple, os", description: "To day Apple released OS 15 beta", content: "In publishing and graphic design, Lorem ipsum is a placeholder text", date: "2023-10-01" }</pre>	Example Response template: <pre>{ message: "Success", data: { title: "Apple released OS 15 beta", keyword: "apple, os", description: "To day Apple released OS 15 beta", content: "In publishing and graphic design, Lorem ipsum is a placeholder text", date: "2023-10-01" } }</pre>
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6. Build a simple Blog app using **NextJS 14**, includes two pages:
- **Home:** Displays all articles retrieved from the API above (api/v1/articles) **3 marks**

- **Blog Detail:** Show details of an article with url structure: /article/:id

3 marks

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