

Middleware GSD (WS 2017) – Exercise 10

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Educational Objective:

REST Web Services in Node.js

Task 1 (REST Web Services):

Develop a REST Web Service for managing scientific articles. It should be possible to:

- read an article as HTML text
- get an article as a LaTeX document
- get a specific page of an article as plain text
- to change the abstract of an article
- to create a new article

Design a URL mapping for this REST web service. For all 5 functions, determine which URL a client should use (including the HTTP method name) to invoke the desired function.

Task 2 (Web Services in Node.js):

Please implement the web service for task 1 in Node.js. You do not need to program database access and may assume that the needed DB functions (e.g., `getArticle(..)`, `createNewArticle(Article myArticle)`) are given.

Some useful links:

Restful Tutorial Microsoft: <https://docs.microsoft.com/en-us/azure/architecture/best-practices/api-design>

Curl Command: <http://conqueringthecommandline.com/book/curl>