

A1 Backend

AVV

- The feature works, based on dynamic data retrieved from a database.
- There is substantial own code. If you use code from a source, you mention this source. You can explain every part of your code, how everything works together.

	1-2	3-4	5-6	7-8	9-10
Webserver	The webserver runs with errors, or insufficient routes exist to get a simple web app working	The webserver serves some webpages, but there are problems with routing	Node, Npm and Express, are used to create a webserver that runs without errors and serves pages for multiple routes, including a 404 page and routes using a route parameter or query string	Special care was taken to make routing indexable, efficient or scalable, for example using routers, middleware etc.	The way you apply npm, Node and Express is more advanced than what you were taught in class
Dynamic pages	A template engine is missing, or only static pages are served, or there are insufficient dynamic pages to get a simple web app working	Dynamic pages are rendered, but there are problems combining different files or problems using the template language	A template engine is used to render simple dynamic pages. These pages combine static files (css, images, client-side js files, html includes) and templates for dynamic data	More complex dynamic pages are rendered, for example using iteration, mixins, partials, helpers, inheritance etc.	The way you apply templating is more advanced than what you were taught in class
Data storage	There is a problem connecting to the database, or there is a problem using the data from the database in the web app	The web app is not able to both retrieve and update data in the database.	Data is stored in a database and changed (retrieved and updated) through the client-side of the web app. Basic security measures are taken to ensure access information to the database is kept private (e.g. .ENV)	More complex db queries are used to query the database, for example using multiple criteria, cursors, db operators etc.	The way you apply databases is more advanced than what you were taught in class
Debugging	When there is a problem, you find it difficult to ask for help	You didn't use the resources from the classes enough to solve problems	Exercises and resources from classes are used. When there is a problem, you ask for help from people who are knowledgeable, for example, student assistants, teachers, stack overflow, etc.	You dive deeper into more complex problems, combining and evaluating information from multiple sources.	A nerdy conversation can be held, you can explain why software is used instead of alternatives based on relevant and trustworthy resources