Definition of Done

A user story is considered **Done** when all of the following criteria are met:

- All acceptance criteria for the user story are fully implemented and verified
- PHP and Javascript code are properly structured with meaningful variable and function names
- JSON responses are valid and properly formatted with correct Content-Type headers
- All GET parameters are properly validated and sanitized
- Error handling is implemented for invalid requests and missing data
- Code follows PSR-12 coding standards and includes meaningful comments
- The application runs without PHP errors or warnings
- JSON output is tested with at least one valid request and one error case

User Story 1

As a Developer I want to create a class structure, so that it is possible to create own entities for courses, as well as the representative questions.

Acceptance Criteria

- A course has a unique ID, name, vehicle type, and a list of questions
- A question features a unique ID, text, options, correct answer, and version number

User Story 2

As a Developer I want to create a seeder class, so that I can quickly create mock data for a presentation.

Acceptance Criteria

- A seeder class which can create data for demonstrational purposes exists
- The class returns at least 3 courses with at least 4 questions per course
- A demo file that uses and outputs the data returned by the seeder exists

User Story 3

As a Developer I want to output all information about a single course as JSON.

Acceptance Criteria

- The webserver features a request URL featuring a GET parameter, which allows to request information about a specific course as JSON
- The webserver responds with JSON data if the correct request header is set

User Story 4

As a Developer I want to fetch all data from the learning platform and display it as a list on a page.

Acceptance Criteria

- The JavaScript "fetch" function is used to fetch the data from the created API
- The full dataset is displayed on the page

User Story 5

As a Student I want to have a single course displayed on the screen prominently, featuring title, vehicle type, and description, so that I can identify the relevant information quickly.

Acceptance Criteria

- A single course entry is displayed on the page
- The page is responsive
- The page follows the heuristics for user interface design of Jakob Nielsen

User Story 6

As a Developer I want to implement JWT token validation for API endpoints, so that only authenticated users can access protected resources.

Acceptance Criteria

- The API checks for the presence of a JWT token in the Authorization header
- Invalid or missing tokens return a 401 Unauthorized response
- Only requests with valid JWT tokens receive the requested data
- Token expiration is properly handled and returns appropriate error messages
- The implementation includes proper error logging for security monitoring