# Express.js Retake – Wiki

# Exam rules:

* You have 6 hours – from 9:00 to 15:00
* When you are ready, delete the *node\_modules* folder, make sure all dependencies are listed in the *package.json* file and submit your archived project at <https://judge.softuni.bg/Contests/1070/ExpressJS-17-Jun-20178-Exam>
* There will be no breaks during the exam but you can go to the toilet or to breathe some fresh air outside **if you are alone**
* **You are required to edit the provided HTML to make it functional and may extend it as needed.**

# Application Overview

Get familiar with the provided **HTML & CSS** and create an application that allows users to **create** and **read** encyclopedia **articles**. An anonymous user should be able to access the home page and **view any article**, as well as **register/login**. A registered user can **edit any article**. Your **application** should also have **administrators**. Admins can **lock articles**, so they can’t be edited by non-admins.

Since anyone can edit any article, it’s important that **edit history** is stored for **each article** and previous versions can be accessed in their entirety. Design your models in such a way as to allow for **multiple older versions** of an article to exist and be viewable.

## Home Page & Navigation (20 points)

The **home** page should display all **navigation** menus, an excerpt of the **latest article** (first 50 **words** of the content) and links to the three most **recently added articles**. Registered users see a greeting with option to log out, while anonymous users have the option to login or register (see provided HTML).

Make sure only the **necessary** elements are displayed in the navigation menu and on every page, depending on the status of the user (anonymous, logged in, admin).

## Create Article (20 points)

***For authenticated users***

An article must have a **title**, a **locked status** and a list of **edits**. Each edit has an **author**, a **creation date,** **content**, and an associated **article**. Upon creation of the article, its title is stored, the locked status is set to false and the **contents**, which the user has entered, are **stored in an edit**, associated with that article. The user becomes the author for the edit and the creation date is set to the current time.

## List All Articles (10 points)

Show a list of all articles, ordered alphabetically, with a links to display their contents.

## Display Article (15 points)

Load the article from the database and display a page, containing its **title** and **content of the most recent edit**. Authenticated users see the option to edit the article.

**Hint:** For better looking formatting when outputting contents, interpret two line breaks as a new paragraph.

## Edit Article (15 points)

***For authenticated users***

An article can be edited by any registered user. Upon submission, store the contents in an **edit** and associate it with the article. An edit has an **author**, a **creation date,** **content**, and an associated **article**.

If an article is **locked**, only admins can edit it.

## Article History (10 points)

***For authenticated users***

Show a list with the **edits** for the selected article. Each edit is shown with its **creation date** and **author**. When an edit is selected, a details page with its **contents** is displayed (same as **Display Article**).

## Lock/Unlock Article (10 points)

***Admin functionality***

When an article is locked, only admins can edit it. Regular users can still read it and view its history. When an article is created, it’s unlocked by default.

## Bonus: Search (10 points)

When a user enters a search criteria, look in the database for **partial matches** and return a list of links to all articles, whose **title contains the input**.