

Documentation for Boulder News Web Application

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Boulder News Web Application (later referred to as “Application”) is meant to be a simple platform for publishing and reading news about different aspects of bouldering.

The Application was developed in Java, using the Spring Framework, and it runs on Heroku in the address <https://boulder-news.herokuapp.com/>. The user interface is built using Thymeleaf and Twitter Bootstrap. Development uses H2 database and production uses Heroku PostgreSQL database. The application is deployed through continuous integration using GitHub and Travis.

In order to log in to the Application use username “bouldergod” and password “grade”.

The source is in <https://github.com/sainikumara/boulder-news>.

User stories

As a boulderer I want to read a news article with a relevant picture.

As a boulderer who follows the news regularly I want to see the newest articles listed.

As a boulderer I want to list news articles based on different categories.

As a journalist I want to collaborate with my colleagues to create relevant news articles.

As the owner of the web application I want to control who gets to create news articles.

Features

All the pages in the application show a navigation bar at the top of the page with a link to the frontpage, to the different categories, and a button to access the admin panel. The frontpage shows a list of the five newest news articles; their title acts as a link to the article, and also the picture and the lead are shown. A similar view without limitation in number is shown for each category. Clicking an article shows the full text of the article and the writers of the article. On the right-hand side of the article page there are lists of the five newest articles and the five articles

that have been read most during the last week. Each writer's articles can also be viewed separately.

Clicking the admin button lands the user to a login page. With the correct login the user then gets access to the admin panel that has separate pages for creating new articles, and adding and removing writers and categories.

Features in Urgent Need of Improvement

As of 11th of December 2017, the production version of the application on Heroku doesn't show the site for a category or for an article. Both work perfectly in development environment.

Testing and validation haven't been implemented.

There are no understandable error messages.

Database schema

Article:

- Long Id (primary key)
- String title
- String lead
- String (length=10000) articleContent
- LocalDateTime publishingTime
- Long pictureId (foreign key)

Picture:

- Long Id (primary key)
- Lob content

Category:

- Long Id (primary key)
- String name

Article_Categories

- Long articleId (foreign key)
- Long pictureId (foreign key)

Writer:

- Long Id (primary key)

String name

Article_Writers

Long articleId (foreign key)

Long pictureId (foreign key)

PageView:

Long Id (primary key)

LocalDateTime viewTime

Long articleId (foreign key)