# My Blog

This repository contains the source code for my personal blog, which uses ASP.NET Core as backend and React.js as frontend. The blog allows users to create an article writing it directly on the web page in Markdown format, or by uploading an existing Markdown file. Access the website at <https://myblog20230101.azurewebsites.net/>

Graphical user interface, application, email

Description automatically generated

## Getting Started

Clone the repository and run in development mode in Visual Studio.

### Testing Accounts

Use the following accounts to log in. An administrator user can create or update products while a normal user cannot.

|  |  |  |  |
| --- | --- | --- | --- |
| **Username** | **Email** | **Password** | **Role** |
| a | a@a.com | Zk000000! | User |
| admin | admin@a.com | Zk000000! | Administrator |

## Description

### Create and Edit Articles

To easily create or edit an article, a user can follow the steps below:

1. Log into the application and go to Create or Edit page.
2. Drag Markdown file AND images folder together and drop onto the page.

Graphical user interface, application

Description automatically generated

1. When texts and images are uploaded, click an image’s names, the corresponding markdown for inserting the image will be copied onto users’ clipboard.

Graphical user interface, text, application

Description automatically generated

### Markdown Format

GitHub Flavored Markdown (gfm) is chosen as the dialect for Markdown format. Code snippets, math equations and raw html tags are also supported.

### Other Features

* Users can download written markdown text by clicking “Save” button.
* Clicking image names copy image name in markdown format, such as ![example\_1]( example\_1.png), to clipboard.
* Abstract of articles are loaded and displayed initially, full articles can be fetched and displayed by clicking “more” button. The full articles can be collapsed.
* Clicking tags will filter articles by tags’ names.
* Clicking sidebar’s email address will copy it to clipboard.
* Users can choose to be “stayed logged in.”

## Technologies Used

Backend - ASP.NET Core

Frontend - React

* reactstrap
* react-dropzone
* React Router
* react-markdown
* remark: transform markdown format to HTML
* rehype: transform origin HTML to modified HTML