



## **Web Programming Project Report**

**BlogForgeKMITL (Blogeditor)**

**01286233 Web Programming**

**Software Engineering Program**

**By**

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## **Web Programming Project**

**BlogForgeKMITL**

## **Introduction (one page)**

This report presents a comprehensive overview of the development of the official website for the School of Engineering at King Mongkut's Institute of Technology Ladkrabang (SE KMITL). The project was initiated to create a dynamic, user-friendly digital platform that not only reflects the prestigious reputation of SE KMITL but also serves as a vital resource for current and prospective students, faculty, and the broader engineering community. In the rapidly evolving digital age, the need for an online presence that effectively communicates an institution's values, academic programs, and research opportunities is paramount. The SE KMITL website project was undertaken with this understanding, aiming to provide an informative, accessible, and engaging experience for its users. The report outlines the strategic approach adopted in the planning, design, and implementation phases of the website. Emphasis is placed on how the website addresses the specific needs of the SE KMITL community, including integrating academic resources, facilitating student-faculty interaction, and showcasing the school's achievements and offerings in a global context. Additionally, the report discusses the technical aspects of the

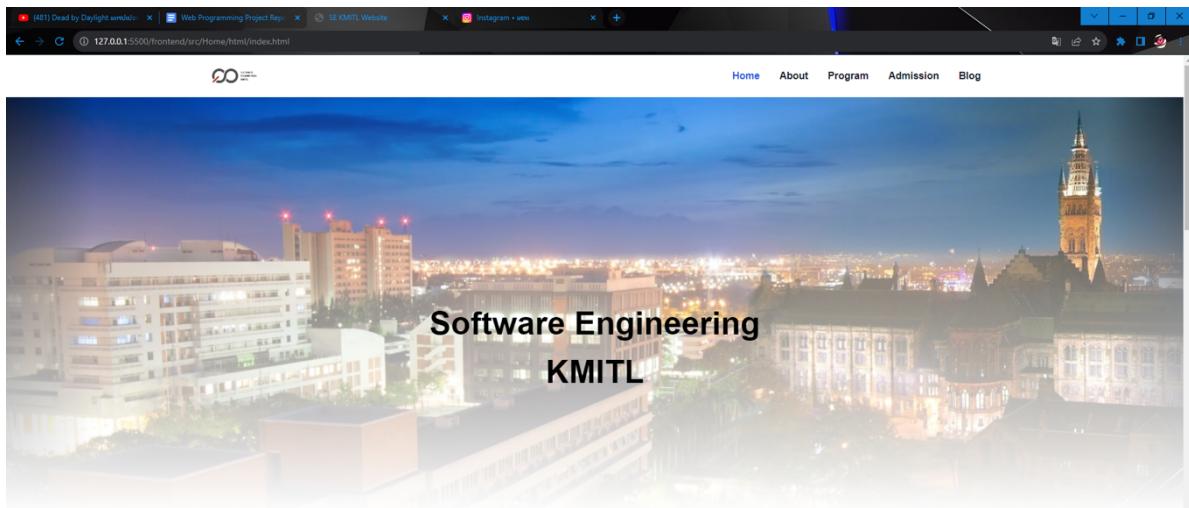
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website's development, including the choice of technology stack, design principles, and the adherence to web standards and accessibility guidelines. As the digital face of SE KMITL, the website is more than just a portal for information. It is a reflection of the school's commitment to excellence in engineering education and research. This report aims to detail the journey of creating a website that not only meets the functional requirements but also resonates with the vibrant spirit of SE KMITL.

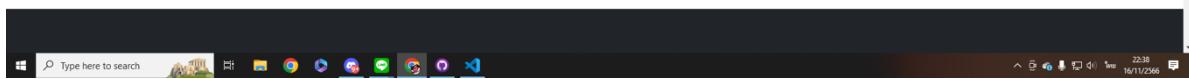
## Screen Captures of your Web Application

### Frontend ( HTML, CSS, Vanilla Javascript)

Screen1



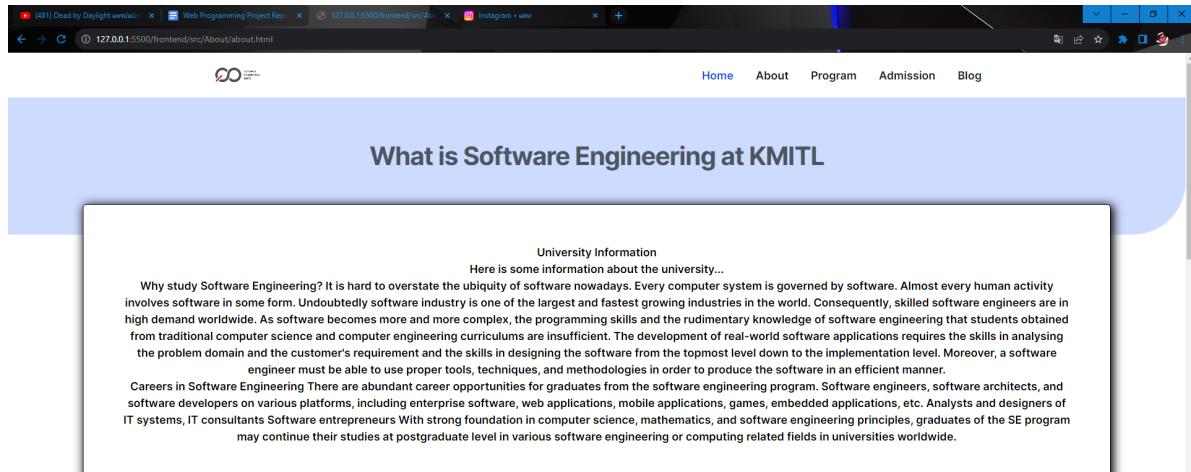
At KMITL, we are shaping the future of technology through cutting-edge research and education in Software Engineering. Our department is dedicated to fostering a vibrant community of software professionals, where students and experts come together to explore, create, and inspire.



Home page displays the overview of our software engineering program

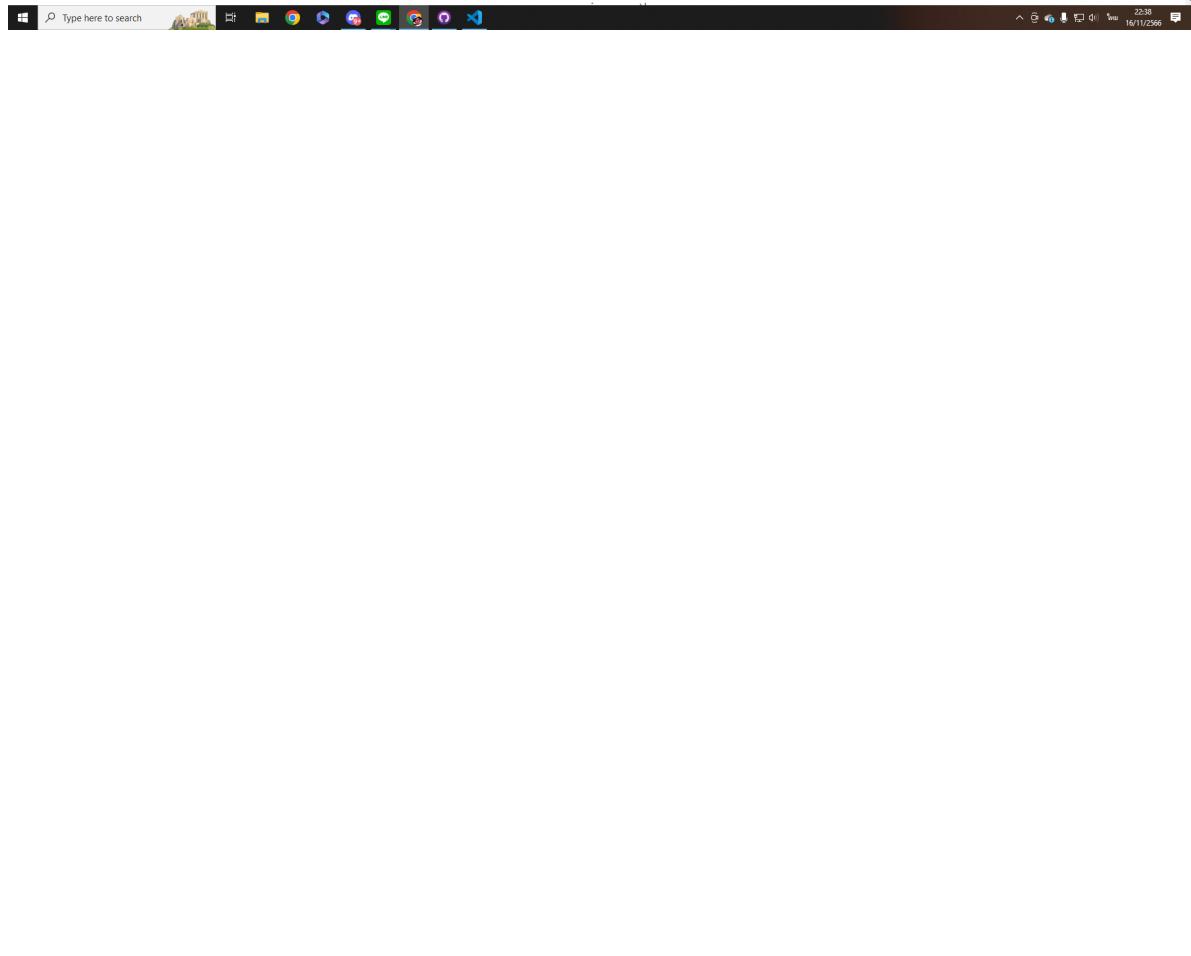
## Screen2

The about page displays information about software engineers and lecturers.



## We invest in the world's potential

Here at KMITL SE program, we focus on markets where technology, innovation, and capital can unlock long-term value and drive



## Screen 3

Program page shows the study plans for each year.

**B.Eng. in Software Engineering Program**

We aim to produce graduates who are capable of working confidently in the international software industry as well as pursuing postgraduate study and research in leading universities worldwide.

### Three reasons to study with KMITL SE

- Academic Excellence**  
KMITL offers a top-notch software engineering curriculum, ensuring a high-quality education with experienced faculty, propelling graduates into competitive positions in the job market.
- Industry Connections**  
KMITL's software engineering program facilitates invaluable industry partnerships, fostering internships and networking opportunities, enhancing students' practical skills and employability post-graduation.
- Research and Innovation**  
With a focus on research, KMITL provides students access to cutting-edge projects and advanced technologies, fostering innovation, staying abreast of industry trends, and enhancing career prospects.

## Screen 4

Admission page contain the requirement for apply to SE program and the tuition fee.

The screenshot shows a web browser window with multiple tabs open. The main content area displays the 'Fee Information' section, which includes a table with 'Software Engineering' and '90,000 THB' as tuition fees for the 2024 academic year. Below the table, a note states: 'For those programs doubling degrees with other, the tuition fees may be different.' The 'Entry Requirements' section follows, containing subsections for 'Academics Record', 'English Language Requirements (for non-native English speakers)', and 'IB Diploma'. The 'Academics Record' section lists requirements for SAT, GSAT, School Letter, ACT, IB Diploma, and Any national higher education board exam result. The 'English Language Requirements' section lists TOEFL paper-based and CBT requirements. The 'IB Diploma' section lists requirements for 29 subjects. The browser's navigation bar at the top shows the URL as 127.0.0.1:5500/frontend/src/Academic/html/admission.html.

## Screen 5

The screenshot shows a web browser window with multiple tabs open. The main content area displays the 'Best practices for successful prototypes' section. It features a heading, a paragraph about Flowbite being an open-source library of UI components built with Tailwind CSS, and a digital art piece by Anonymous titled 'Getting started with Flowbite'. Below the art, there is a detailed explanation of what Flowbite is, how it works, and how to get started. The browser's navigation bar at the top shows the URL as 127.0.0.1:5500/frontend/src/Blog/blog.html.

## Backend (Python-FastAPI)

### Python Fast-api documentation

Screen1

The screenshot shows a browser window with the URL `127.0.0.1:8000/docs`. The page title is "FastAPI 0.1.0 OAS 3.1". Below the title, there is a link to `/openapi.json`.

The main content is a list of API endpoints under the heading "default". Each endpoint is shown with its method (GET, POST, PUT, DELETE) and path. The methods are color-coded: GET is blue, POST is green, PUT is orange, and DELETE is red.

- `GET /image/{blog_id}` Get Image
- `GET /blogs/all` Get All Blogs
- `GET /blogs/{blog_id}` Get Blog
- `POST /blog` Create New Blog
- `POST /upload-image` Upload Image
- `POST /blogs/update-upload-image/{id}` Update Image Endpoint
- `PUT /blogs/update` Update Blog Endpoint
- `DELETE /blogs/{id}` Delete Blog Endpoint
- `GET /{blog_id}` Index

## Screen2

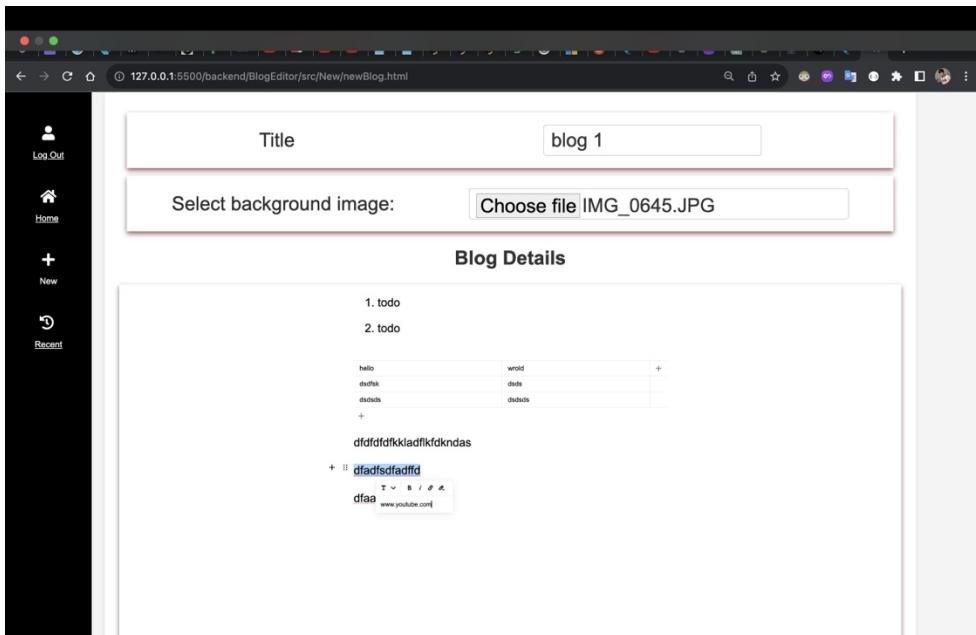
New Blog creation(+ sign to click)

A screenshot of a web browser window titled "Screen2". The URL in the address bar is "127.0.0.1:5500/backend/BlogEditor/src/New/newBlog.html". On the left, there is a dark sidebar with icons for "Log Out", "Home", "New", and "Recent". The main content area contains a "Title" input field with the placeholder "Enter your title" and a "Select background image:" input field with the placeholder "Choose file No file chosen". Below these is a large "Blog Details" section with a blue "Publish" button at the bottom.

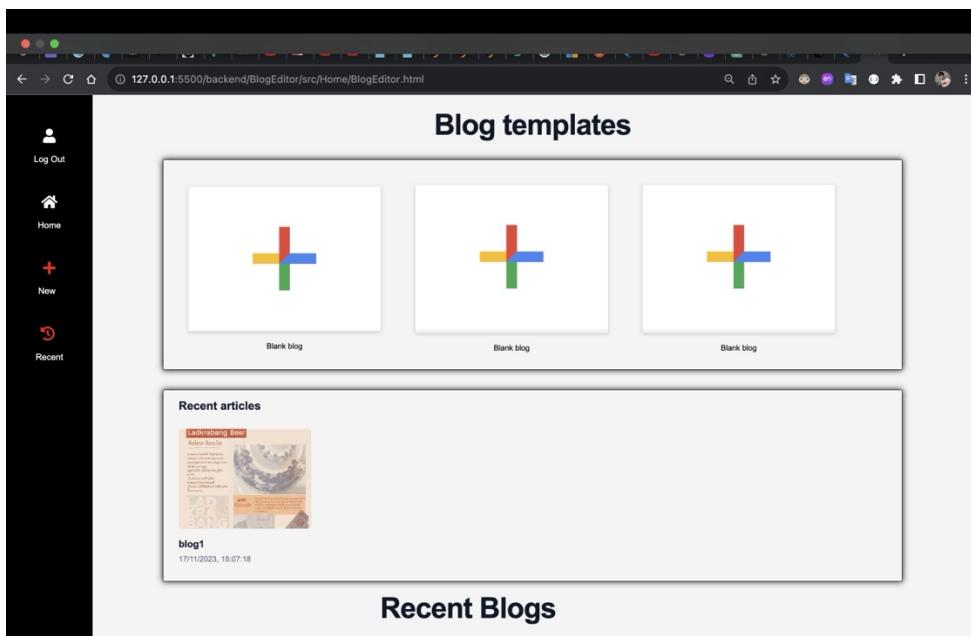
Home page of blog editor

A screenshot of a web browser window titled "Home page of blog editor". The URL in the address bar is "127.0.0.1:5500/backend/BlogEditor/src/Home/BlogEditor.html". On the left, there is a dark sidebar with icons for "Log Out", "Home", "New", and "Recent". The main content area features a heading "Blog templates" above three "Blank blog" cards, each containing a colorful plus sign icon. Below this is a "Recent articles" section, and at the bottom, a "Recent Blogs" section.

## Creating a new blog



Publish and see the blog in the home page



See the blog in recent section

A screenshot of a web browser window titled "ALL BLOGS PUBLISHED ON THE SERVER". The table has columns for No., Title, Date, and Actions. One row is highlighted in red, showing "1.", "blog1", "17/11/2023, 15:07:18", and "Edit" and "Delete" buttons.

No.	Title	Date	Actions
1.	blog1	17/11/2023, 15:07:18	<a href="#">Edit</a> <a href="#">Delete</a>

See the update in the original school website

A screenshot of a web browser window titled "Recent articles". It shows a thumbnail image of a beer bottle labeled "Ladkrabang Beer" and a snippet of the blog post "blog1" from 17/11/2023, 15:07:18. A "Read" button is visible.

**Recent articles**

**blog1**  
17/11/2023, 15:07:18  
[Read](#)

### Sign up for our newsletter

Stay up to date with the roadmap progress, announcements and exclusive discounts feel free to sign up with your email.

**BLOG1**

17/11/2023, 15:07:18

**Ladkrabang Beer**

คืออะไร? คืออะไร?

ลาดคราบเบียร์ คือสื่อที่นำเสนอ  
ของสถาบันที่ห้องครัวมาร์จิ  
ของกลุ่มนักวิชาชีวฯ Agroind  
IS Beverage  
อยู่ในห้อง เดินทาง เรียนรู้สิ่ง  
ต่างๆ  
เชื่อมความเป็นมิตร  
ลาดคราบเบียร์  
เป็นสถานที่ที่มีเรื่องราวลึกลับ  
ที่น่าสนใจ

**WHY**  
หัวใจสำคัญ

**HELLO WORLD**

**HELLO WORLD**

title1 title2

one two

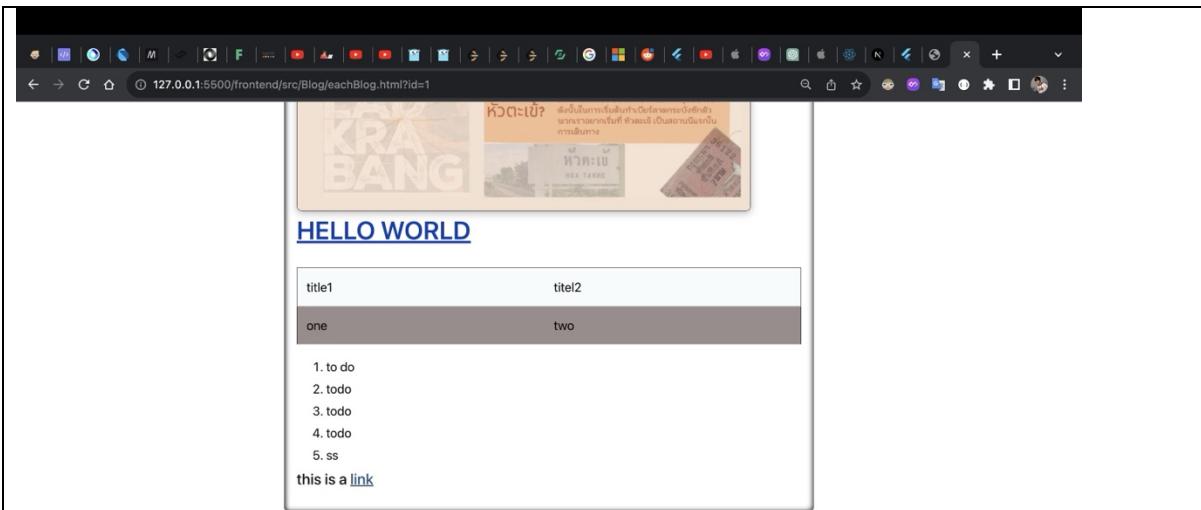
1. to do  
2. todo  
3. todo  
4. todo  
5. ss

this is a [link](#)

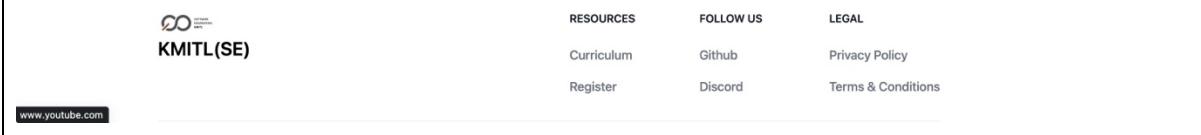
**KMITL(SE)**

RESOURCES FOLLOW US LEGAL

Curriculum Github Privacy Policy  
Register Discord Terms & Conditions

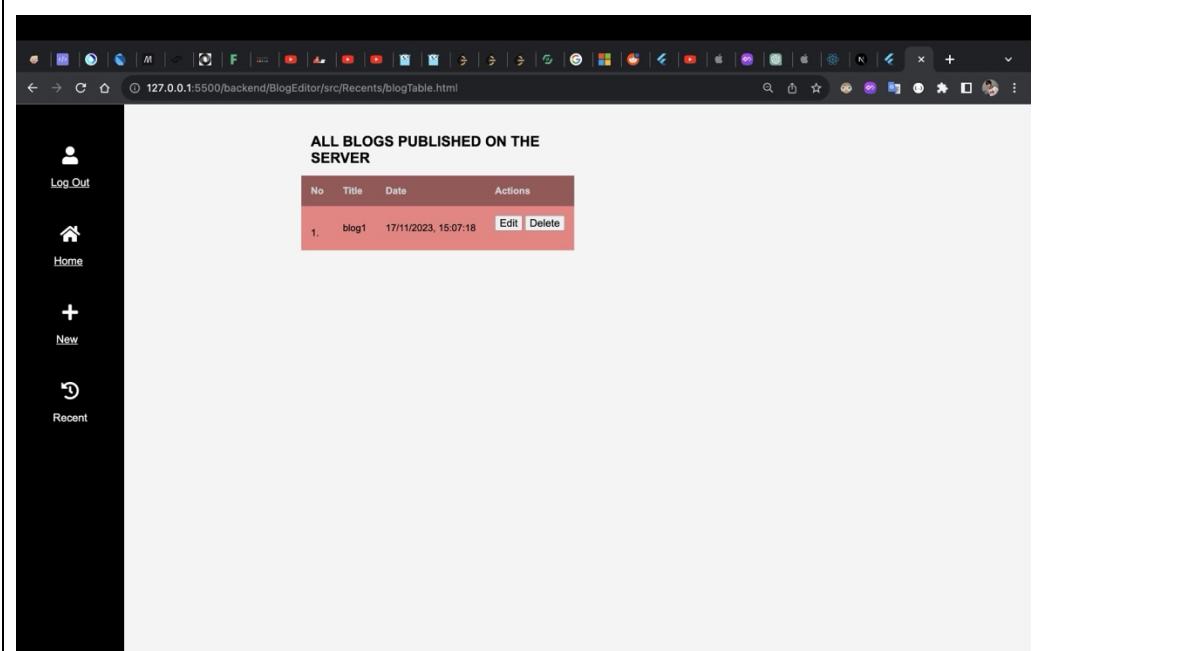


The screenshot shows a web browser window displaying a blog post. The header features the text "KMITL(BANG)" and "Hello World". Below the header is a grid with two columns: "title1" and "title2" in the top row, and "one" and "two" in the bottom row. A list follows: "1. to do", "2. todo", "3. todo", "4. todo", and "5. ss". At the bottom, the text "this is a [link](#)" is displayed.



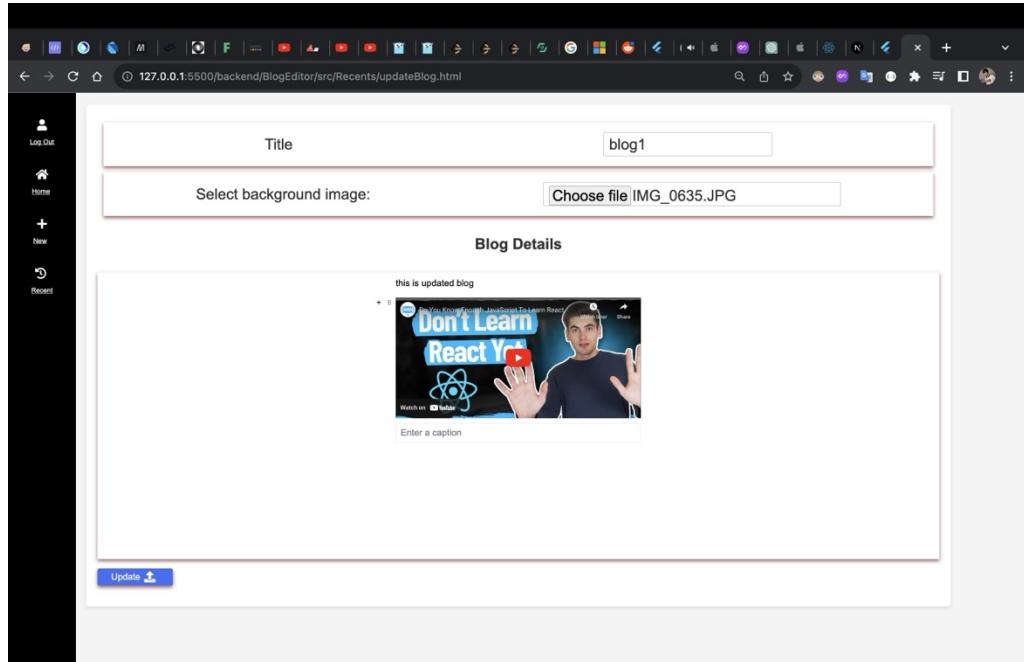
The footer contains the KMITL logo, followed by links to "RESOURCES" (Curriculum, Register), "FOLLOW US" (Github, Discord), and "LEGAL" (Privacy Policy, Terms & Conditions). A small "www.youtube.com" link is also present.

Click the edit button

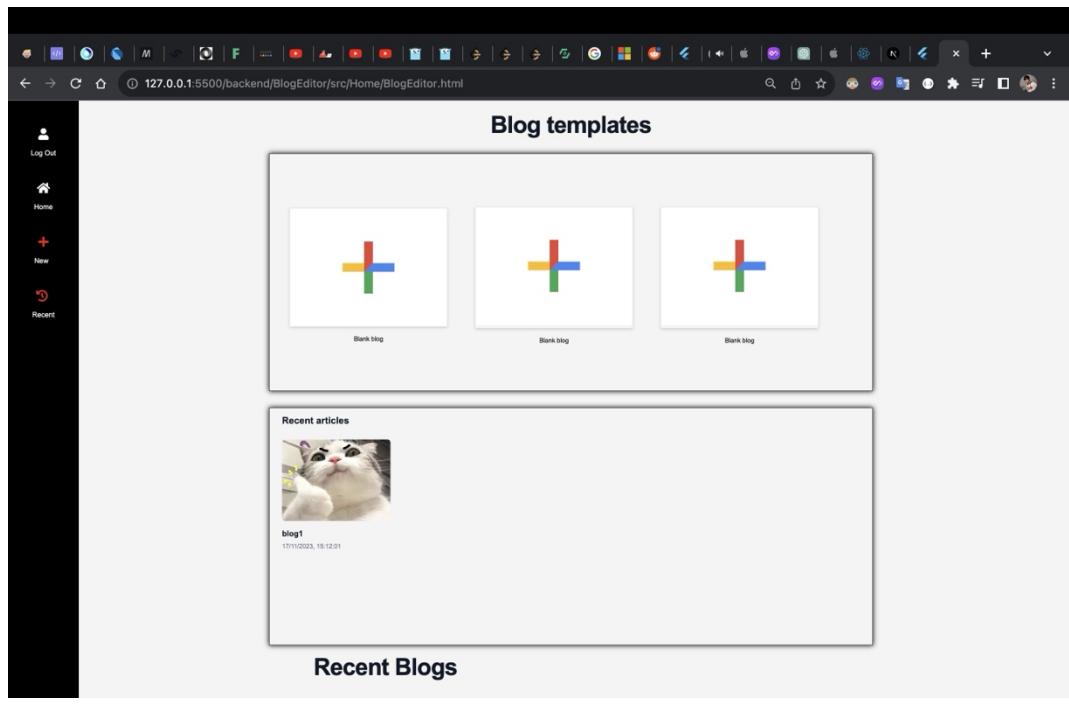


The screenshot shows a web browser window displaying a list of published blogs. The title is "ALL BLOGS PUBLISHED ON THE SERVER". The table has columns: No, Title, Date, and Actions. One entry is shown: "1. blog1 17/11/2023, 15:07:18". The "Actions" column for this entry contains "Edit" and "Delete" buttons.

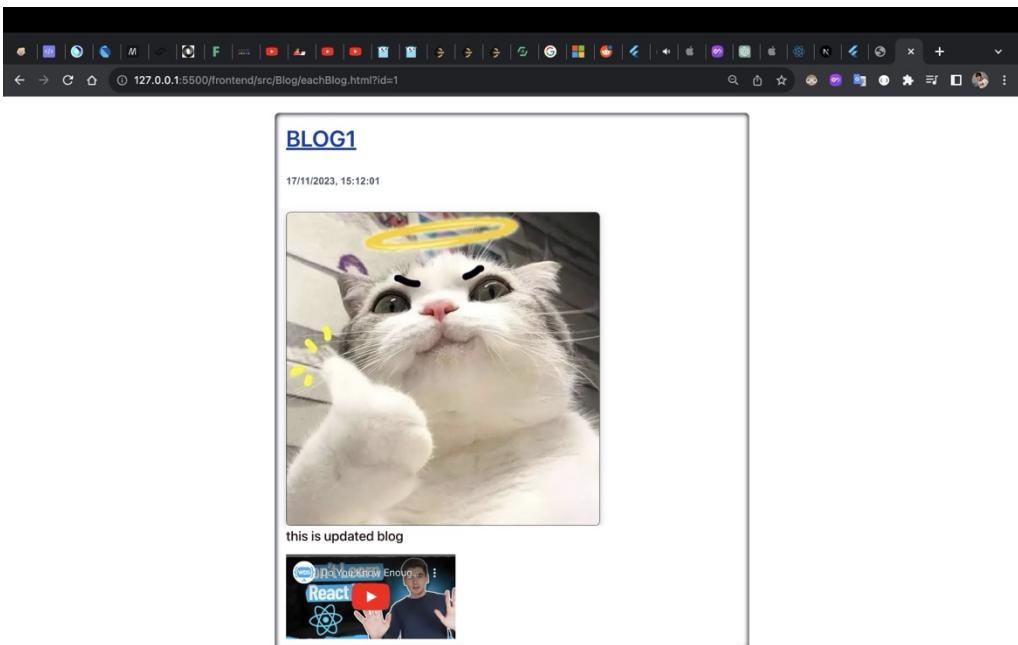
Edit the blog to update



Now, the blog is updated



See the blog in the SE website



Delete the blog

A screenshot of a web browser window showing a table of published blogs. The title is "ALL BLOGS PUBLISHED ON THE SERVER". The table has columns: No, Title, Date, and Actions. There is one entry: "1. blog1 17/11/2023, 15:12:01". The "Actions" column contains "Edit" and "Delete" buttons. On the left side, there is a sidebar with icons for Log Out, Home, New, and Recent.

Blog is now deleted

A screenshot of a web browser window. The URL is 127.0.0.1:5500/backend/BlogEditor/src/Recents/blogTable.html. The page title is "ALL BLOGS PUBLISHED ON THE SERVER". On the left, there is a sidebar with icons for Log Out, Home, New, and Recent. The main content area shows a table header with columns No, Title, Date, and Actions.

A screenshot of a web browser window. The URL is 127.0.0.1:5500/backend/BlogEditor/src/Home/BlogEditor.html. The page title is "Blog templates". It features a sidebar with icons for Log Out, Home, New, and Recent. The main content area displays three "Blank blog" templates, each with a colorful plus sign icon. Below this is a section titled "Recent articles" which is currently empty. At the bottom, there is a section titled "Recent Blogs" which is also empty.



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## Program Source Codes

[https://github.com/Smh1111/SE\\_website](https://github.com/Smh1111/SE_website)