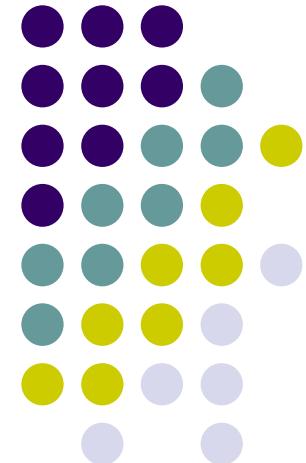


# PE076DS-1

# Backend Project

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**Alan Leung (17)**  
**Clement Leung (2)**



***Presented on: 21 Jun 2022***

# Backend Project

## To Create a Blog System



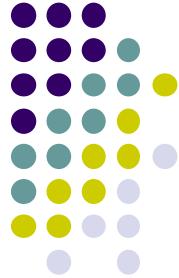
- **Functionality**
  - Visitors can read the blogs written by different registered users of the system.
  - Users can create, read, update (edit) and delete blogs in the system.

# Backend Project

## Blog System



- Base model
  - The system is an extension of the Node Notes app presented at lectures by instructor.
  - Whereas Node Notes is an app for note recording of self-ideas of a registered user without interaction with others, the project BlogSite is an app for:
    - Multi-users
    - Self-blogs that act interact with others via comments
    - Multi-comments to blogs
    - Multi-subscribers (for non-registered visitors or registered users) to subscribe new blog posts



## Functionalities for Clients

- Every visitor can browse the blogs and comments in the system
- Every user needs to register account before creating blogs or making comments to blogs
- A blogger, as a registered user, can:
  - Create self-blogs
  - Read self-blogs
  - Update self-blogs
  - Delete self-blogs
  - Add comments to other users' blogs
- A visitor may wish to register as a subscriber to follow new posts written by bloggers



## Features of the System

- The system can list different blogs written by the registered users, showing the following details:
  - Title and contents of each post under each blog
  - Comments made by registered users to each blog post
  - Times when a blog post and comments are posted
  - The names of the users who create the blog post and leave comments to the post
  - An indication of the total number of comments made to a blog post
  - A record of subscribers who wish to follow blogs



## Features of the System

- In addition to these, we shall imitate some of the frontend and comment features commonly encountered in popular social media and discussion board websites:
  - Sticky top navigation bar
    - Sticky top style is overwhelmingly popular in today's website design
  - Carousel slide show
    - This is commonly used by:
      - some online forums to display popular discussion threads
      - news show, e.g. news section of Edge, Oriental Daily
      - online shop of popular chain stores, e.g. Pricerite, JHC, Wellcome
  - Pop-up screen

# **Reference Site: facebook.com Comment Section**



# Reference Site: discuss.com.hk

## Sticky Top Navigation Bar



香港討論區 Discuss.com.hk - 香港

https://www.discuss.com.hk

搜尋 | 輸入搜尋字詞

登入 註冊 | [f](#) [G](#)

喧嘩無發展空間  
港男：稅率高難  
 8.9K 216 11.8K 35

朋友層樓突然間變咗做凶宅... 😱  
公司唔想我跳槽，竟然咁樣做... 得唔得㗎？ 😕  
大人同小朋友嘅分別？小朋友落大雨都想出街... 🌧️  
喺素食展做呢樣㗎？咁仲算唔算係素食展？ 🥑

香港商業設計學院 H... 開始 1

叫老婆執整齊個衣櫃真係好難... 凌亂美

天氣熱都唔係最難頂.. 加埋濕度  
80幾90幾... 濕熱先最辛苦  
 215 3

報道內地監管機構敦促外資銀行  
減薪，並將遞延獎金延長至三年  
或更長時間  
 476 0 1.4K 1

白居二抽到 第14個攬珠號碼 已  
經唔使懿  
 1.6K 17

700 call: 14612  
 290 0

麥當勞app特價午餐  
 【限時優惠 售完即止】雙  
層洋蔥牛飽超值套餐 578 1

6月18日 (星期六) 柴灣體育館  
4-6pm (2+2) 初中級雙打活動  
報名 (餘位)  
 222 2

叫老婆執整齊個衣櫃真係好難...  
所以決定！ 💣  
 1.2K 6

三房兩大廳特大廚房連套廁  
 1.1K 9

Netflix正式宣佈《魷魚遊戲》第二季已續訂！  
 700 1

朋友共渡周末  
 1.1K 9

開波55秒失守 葡萄牙0：1負瑞士  
 2.1K 10

恒指開市跌700點  
 928 7

熱門版區 地產討論 香港賽馬 女人心事 Lady's Talk 鐵路討論 婚後生活 軍事討論 收藏版區

# Reference Site: discuss.com.hk

## Carousel Slide Show



香港討論區 Discuss.com.hk - 香港討論區 discuss

搜尋 | 輸入搜尋字詞

登入 註冊

16

香港商業設計學院 H...

開啟

叫老婆執整齊個衣櫃真係好難...

凌亂美

居二抽到 第14個攬珠號碼 已  
唔使懿

1.4K 1

老婆執整齊個衣櫃真係好難...  
以決定！

1.6K 17

三房兩大廳特大廚房連套廁

1.2K 6

6月18日(星期六)灣仔駱克道體育館20-22pm初中~6/7人雙打

253 1

恒指開市跌700點

928 7

推介Val Kalmer一部冷門猛片

398 1

火 熱門版區 地產討論 香港賽馬 女人心事 Lady's Talk 鐵路討論 婚後生活 軍事討論 收藏版區

# Reference Site: discuss.com.hk

## Carousel Slide Show



香港討論區 Discuss.com.hk - 香港

https://www.discuss.com.hk

登入 註冊 [f](#) [G](#)

論區

喧嘩無發展空間  
港男：稅率高難  
 11.8K 35

留學7年嘆無發  
40歲都唔會有  
 8.9K 216

朋友層樓突然間變咗做凶宅... 😱  
公司唔想我跳槽，竟然咁樣做... 得唔得㗎？ 😢  
大人同小朋友嘅分別？小朋友落大雨都想出街... 🌧  
喺素食展做呢樣㗎？咁仲算唔算係素食展？ 🥑

香港商業設計學院 H... 開啟 1

叫老婆執整齊個衣櫃真係好難... 凌亂美

平安保險 最高80.2回購  
 472 2

我今若不證 無上大菩提 寧可碎是身 終不起此座  
 191 1

單依純件衫超級大露背好易走光！  
 1.7K 8

德福花園500呎租唔洗萬四 咁仲租乜鬼淘大賣價跌到得返6舊？  
 5.4K 26

諗住去提下女同事絲襪勾爛左去識人，結果識唔到人仲擔心畀人係公司唱添  
 1K 18

6月18日(星期六)灣仔駱克道體育館20-22pm初中~6/7人雙打  
 253 1

中價鮭店 (價單在 #17)  
 2.3K 20

駕院肥佬重考流程  
 257 0

美國海軍一星期內連發3起墜機事故 將暫停飛行任務 - 香港文匯網  
 5.8K 47

推介Val Kalmer一部冷門猛片  
 398 1

華語歌曲接龍遊戲帖 (三百七十一回)  
 1.6K 75

李蔓瑩Renee去酒店Staycation 大騷水着 今年造型性感過上年？  
 16.8K 68

熱門版區 地產討論 香港賽馬 女人心事 Lady's Talk 鐵路討論 婚後生活 軍事討論 收藏版區

# Reference Site: discuss.com.hk

## Pop-up Window



香港討論區 Discuss.com.hk - 香港討論區

https://www.discuss.com.hk

6月18日 (六) 7:54pm 29°C 79%

LIVE 即時討論

熱浪席捲歐洲俄羅斯天然氣供應

TVB [尋人記2]

50歲以上

本港慣用廣東話人口跌至回歸以來最低 幾多人能說...

香港討論區使用Cookies來改善您的瀏覽體驗，請確定您同意及接受我們的私隱政策與使用條款才繼續瀏覽。 [了解更多](#)

知道了

龐建貽獲委任為海洋公園主席 劉鳴煒將離開董事局

Curry 終於有FMVP！ 🏆

如果你發現同事人工高你20%... 😞

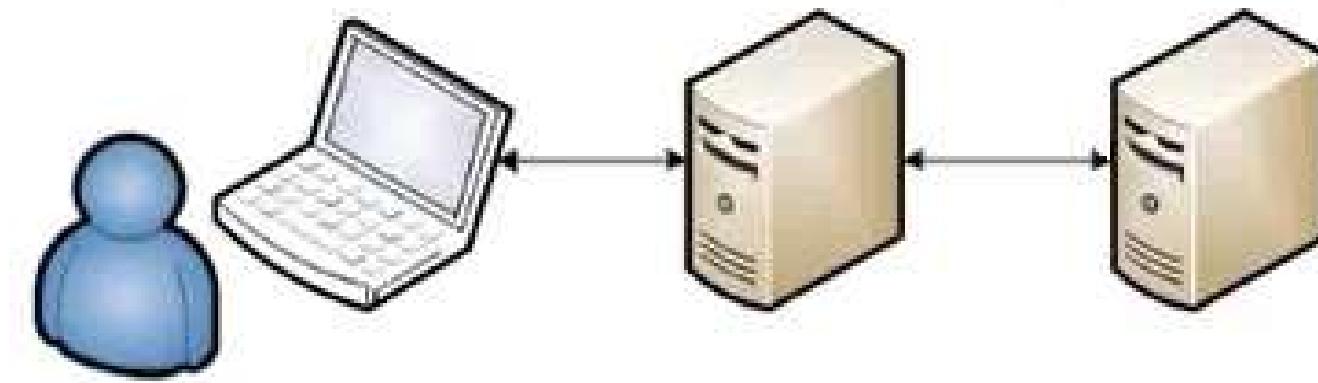
臨近父親節，分享一則奇遇畀大家知... 😊

# BlogSite

## System Configuration



- The configuration between client / user and the web database servers is as follows:



Client / User

Web Server  
(Node.js)  
(Port: 5000)

Database Server  
(MongoDB)  
(Port: 27017)

# Database Schema / Structure

## Users



- Users
  - `_id`: `ObjectId("xxxxxxxxxxxxxxxxxx")` generated by MongoDB database system
  - `blogs`: reference to Blogs
  - `username`
  - `salt`: “xxxxxxxxxxxxxxxxxx” generated by bcrypt
  - `hash`: “xxxxxxxxxxxxxxxxxx” to store the user’s password hashed with bcrypt salt

# Database Schema / Structure

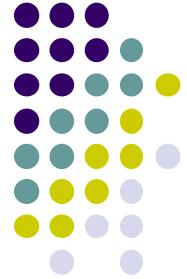
## Blogs



- Blogs
  - \_id: ObjectId("xxxxxxxxxxxxxxxxxx") generated by MongoDB database system
  - title: string, required
  - details: string, required
  - author: reference to Users
  - comments: reference to Comments
  - time: Date.now

# Database Schema / Structure

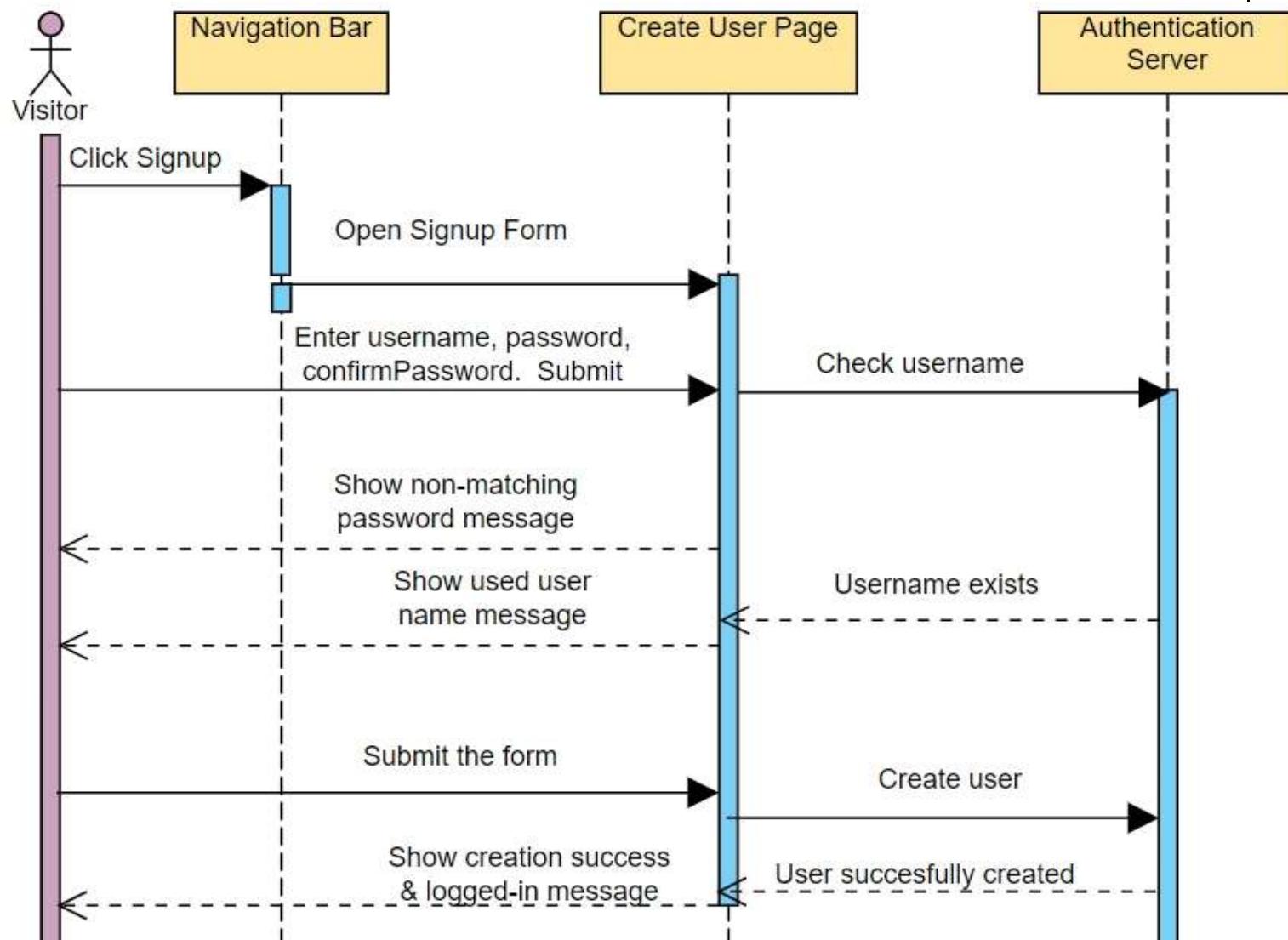
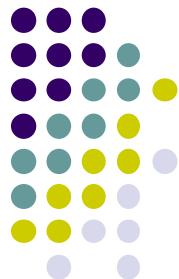
## Comments, Subscribers



- Comments
  - commentDetails: string, required
  - commentUser: string, required
  - commentTime: Date.now
  - id: ObjectId("xxxxxxxxxxxxxxxxxx") generated by MongoDB database system
- Subscribers
  - subscriberName: string, required
  - subscriberEmail: string, required
  - followAuthor: string, required
  - id: ObjectId("xxxxxxxxxxxxxxxxxx") generated by MongoDB database system

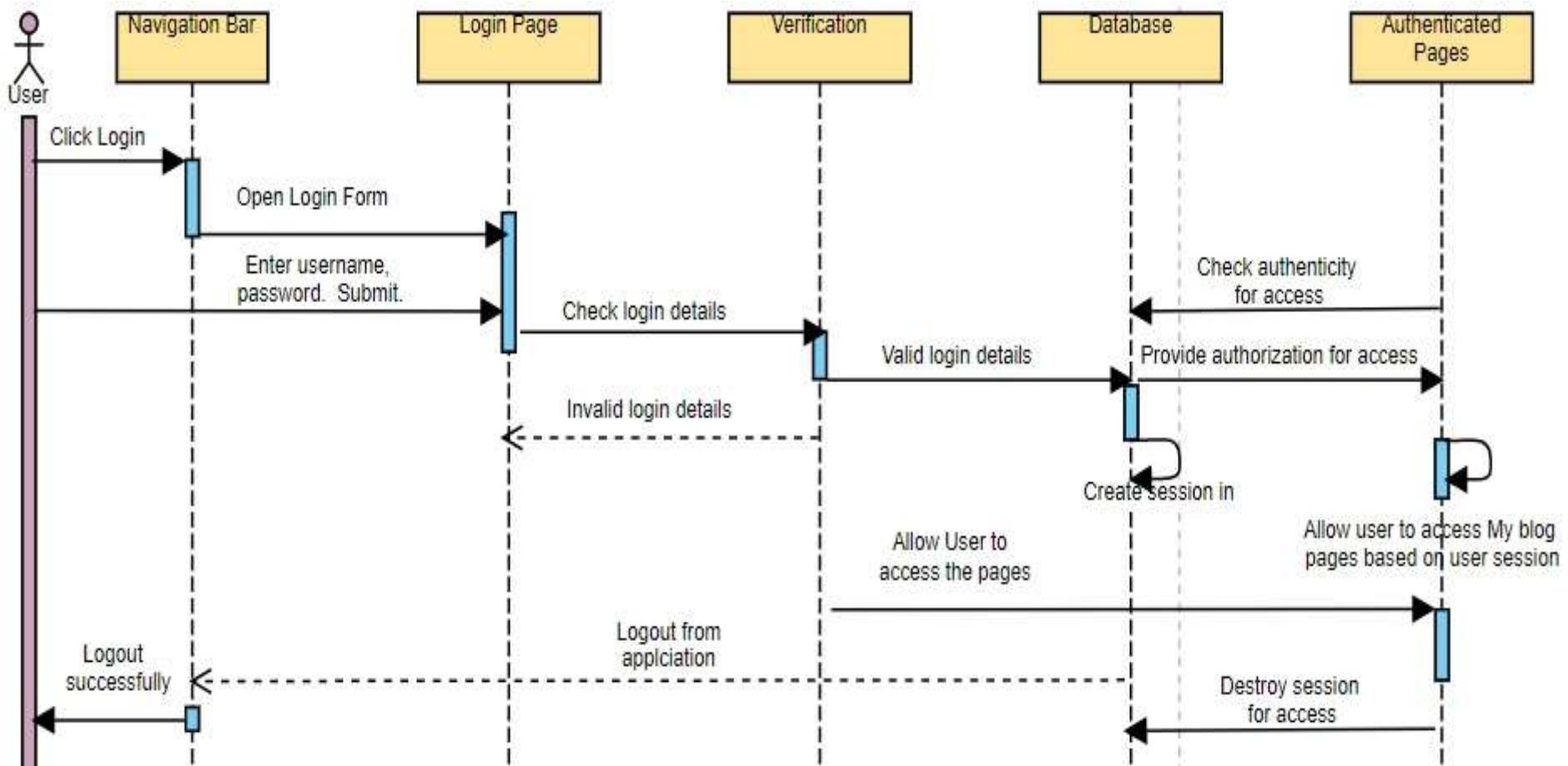
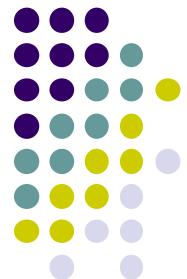
# Unified Modeling Language

## Sequence Diagram: Visitor Sign-Up



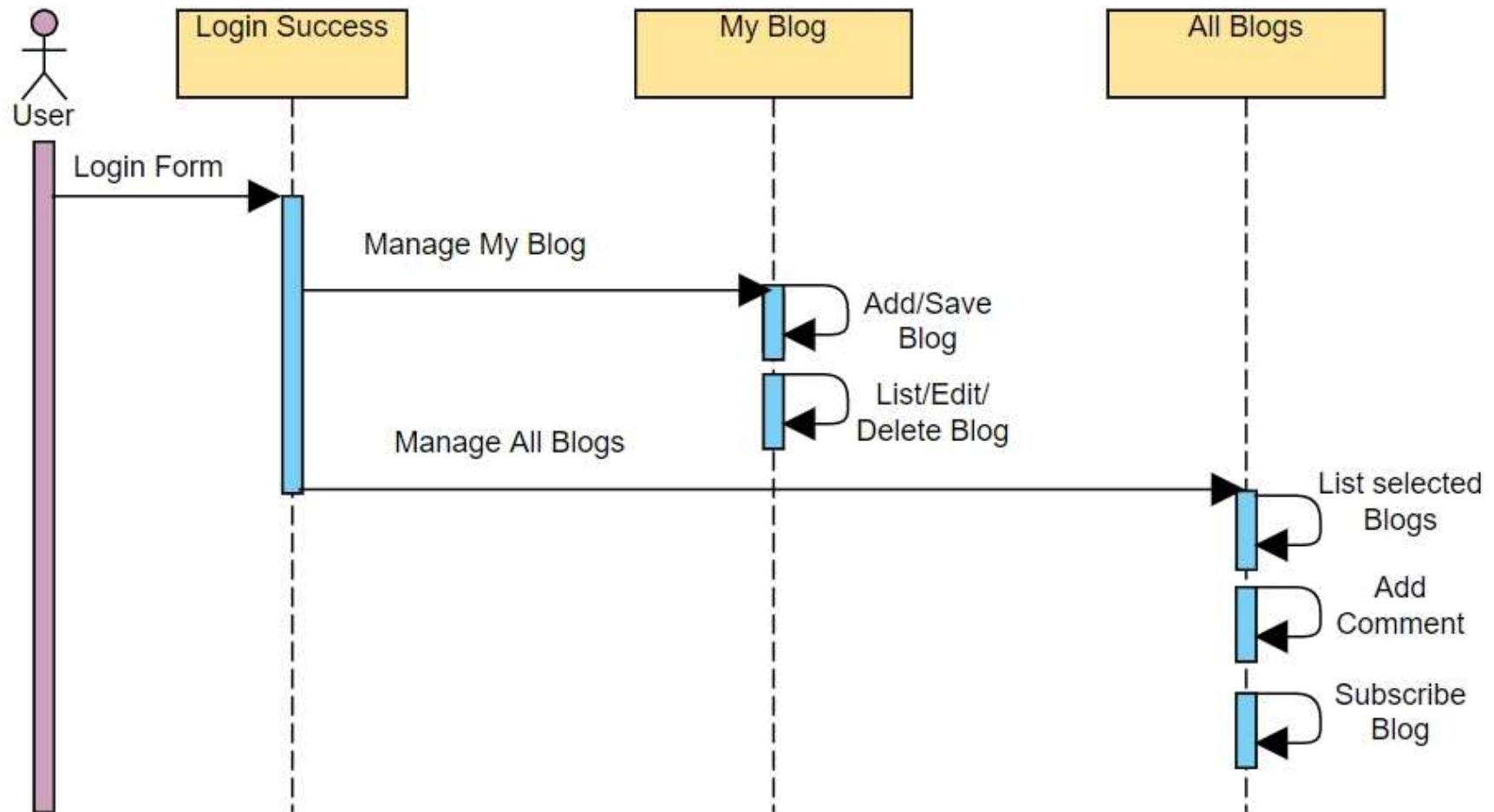
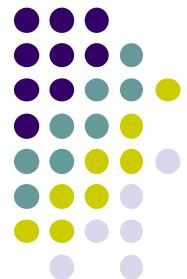
# Unified Modeling Language

## Sequence Diagram: User Login



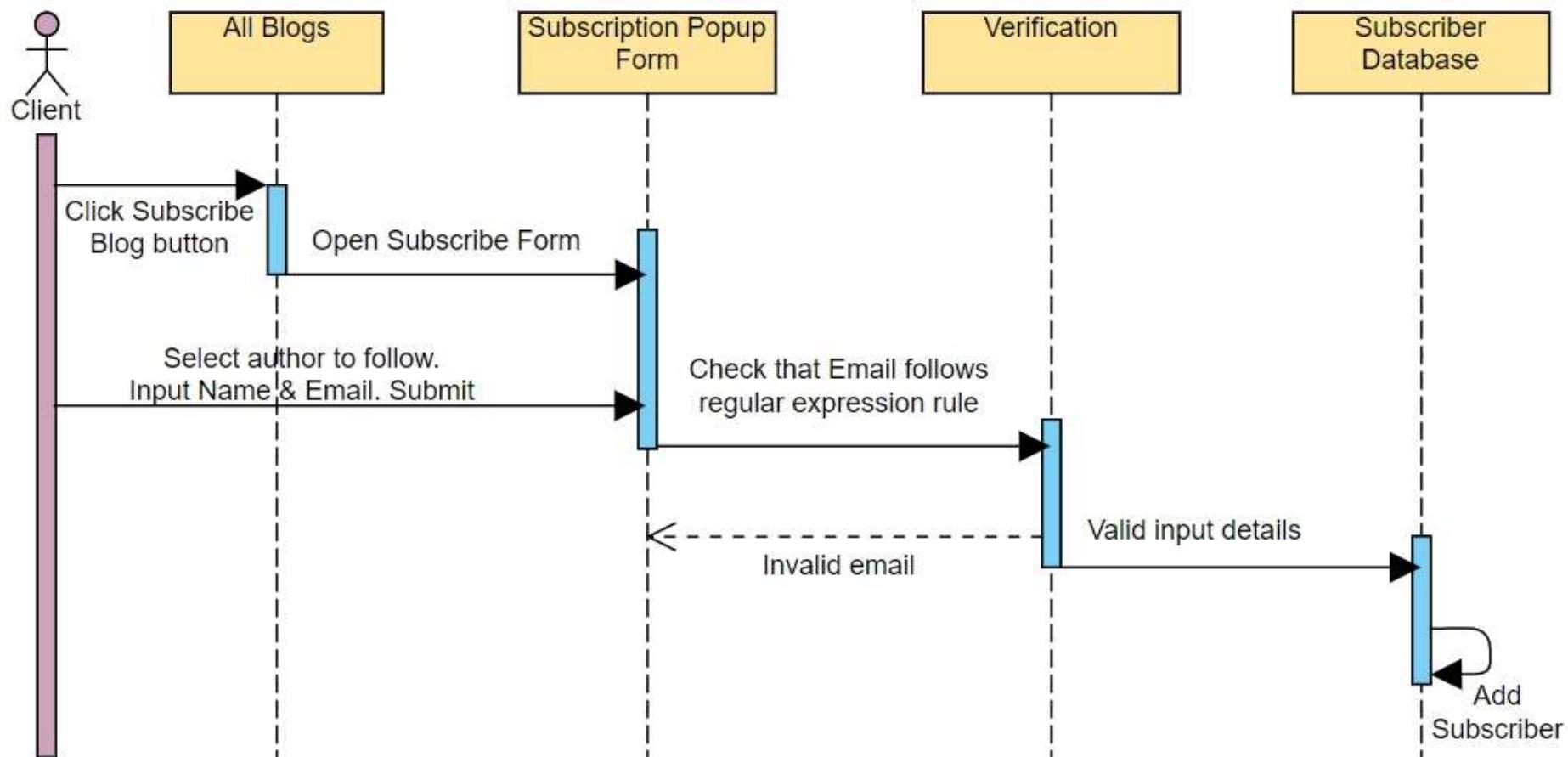
# Unified Modeling Language

## Sequence Diagram: User Blogging



# Unified Modeling Language

## Sequence Diagram: Subscription



# BlogSite Screenshot Demo

## Home



Screenshot of a web browser displaying the BlogSite home page.

The browser window title is "Blog". The address bar shows "localhost:5000". The page header includes "BlogSite" and "Home" links, and "All Blogs" and "Sign Up / Login" buttons.

The main content features a welcome message: "Welcome to BlogSite !". Below it is a tagline: "Create a beautiful blog that fits your style. Have fun and share your knowledge, experience and moments of happiness."

A central banner reads "My cooking blog". Below the banner is a caption: "Delicious dessert recipe". An image of a dessert, possibly a chocolate truffle or cake, is shown in a small frame.

The background of the page has a red polka-dot pattern. Navigation arrows are visible on the left and right sides of the main content area.

# BlogSite Screenshot Demo

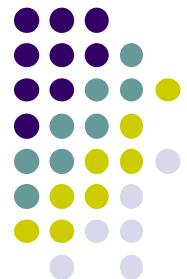
## Home: Sticky Top Navigation Bar



Screenshot of a web browser displaying the BlogSite homepage. The browser window has a title bar showing 'Blog' and the URL 'localhost:5000'. The page features a dark header bar with the 'BlogSite' logo, 'Home', and 'All Blogs' links on the left, and 'Sign Up' and 'Login' links on the right. Below the header is a large image of a dessert in a glass jar with a blackberry on top. Text overlays on the image include 'Delicious dessert recipe' at the top and 'Try dessert recipe' at the bottom. The background of the main content area has a red polka-dot pattern. A vertical scrollbar is visible on the right side of the browser window.

# BlogSite Screenshot Demo

## Home: Carousel Slide Show



Screenshot of a web browser displaying the home page of a blog site named "BlogSite". The browser window title is "Blog" and the address bar shows "localhost:5000". The page features a dark header with navigation links for "BlogSite", "Home", and "All Blogs", along with "Sign Up" and "Login" buttons. The main content area has a red polka-dot background and displays a slide show of three dessert-related images. The first slide shows a close-up of a dessert topped with blackberries, with the text "My cooking blog" above it and "Delicious dessert recipe" below. The second slide shows a similar dessert with the text "Try dessert recipe". Navigation arrows are visible on the left and right sides of the slide show.

The screenshot shows a web browser window with the following details:

- Title Bar:** Shows the title "Blog" and the URL "localhost:5000".
- Header:** A dark header bar with the "BlogSite" logo, "Home", "All Blogs" links, and "Sign Up" / "Login" buttons.
- Content Area:** Features a red background with white polka dots. It contains a "My cooking blog" banner, a "Delicious dessert recipe" heading, and a central image of a dessert topped with blackberries. Below the image is the text "Try dessert recipe".
- Side Elements:** On the left and right sides of the content area, there are vertical panels with red polka-dot backgrounds and navigation arrows (left and right arrows).

# BlogSite Screenshot Demo

## Home: Carousel Slide Show



Screenshot of a web browser displaying the BlogSite home page at localhost:5000.

The browser window title is "Blog". The address bar shows "localhost:5000". The page header includes a "BlogSite" logo, "Home", "All Blogs" links, and "Sign Up" / "Login" buttons.

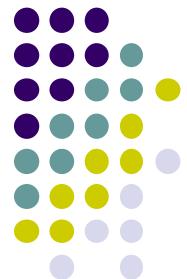
The main content features a central slide with the title "- Our Family Adventures -" flanked by green star icons. Below the title is the text "Family weekend out" and a photo of four people (three adults and one child) smiling. A "Share fun" button is overlaid on the bottom right of the photo.

Two decorative panels are visible on the sides:

- Left Panel:** Features a green line-art illustration of various household items like a television, a wine glass, a dog, an apple, a mug, a bottle, a fork, a window, a lamp, a computer monitor, and a keyboard.
- Right Panel:** Features a green line-art illustration of various kitchen items like a sink, a bottle, a broom, a cup, a kettle, a computer monitor, and a keyboard.

# BlogSite Screenshot Demo

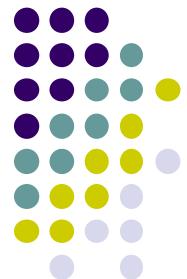
## Home: Carousel Slide Show



Screenshot of a web browser displaying the BlogSite home page. The browser window has a title bar "Blog" and address bar "localhost:5000". The header includes "BlogSite" menu, "Home" and "All Blogs" links, and "Sign Up" and "Login" buttons. The main content features a large image of a large white spherical balloon in a hangar, labeled "Technology News" and "Airborne technology". A caption "Enrich knowledge" is overlaid on the image. The background of the slide show consists of a blue hexagonal grid pattern.

# BlogSite Screenshot Demo

## Navigation Bar: Sign Up



Screenshot of a web browser displaying the BlogSite application at localhost:5000.

The browser window title is "Blog". The address bar shows "localhost:5000". The page header includes a navigation bar with "BlogSite" (active), "Home", "All Blogs", "Sign Up" (with user icon), and "Login" (with user icon).

The main content area features a welcome message: "Welcome to BlogSite !". Below it is a sub-instruction: "Create a beautiful blog that fits your style. Have fun and share your knowledge, experience and moments of happiness."

A central banner reads "My cooking blog" in a stylized font, enclosed in a red decorative box.

Below the banner, a caption says "Delicious dessert recipe" and displays a thumbnail image of a dessert, likely a chocolate truffle, served in a silver bowl.

The background of the main content area has a red polka-dot pattern. Navigation arrows are visible on the left and right sides of the content area.

The bottom left corner of the screenshot shows the URL "localhost:5000/users/createUser".

# BlogSite Screenshot Demo

## Navigation Bar: Sign Up



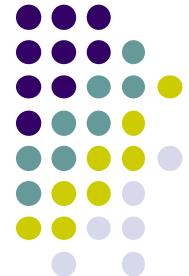
Screenshot of a web browser displaying the 'Sign up' page of the BlogSite application.

The browser window title is "Blog". The address bar shows "localhost:5000/users/createUser". The navigation bar includes links for "BlogSite", "Home", and "All Blogs", along with "Sign Up" and "Login" buttons.

The main content area is titled "Sign up". It contains three input fields: "User Name" with value "dummyuser", "Password" with value "\*\*\*\*\*", and "Confirm Password" with value "\*\*\*\*\*". A blue "Submit" button is at the bottom.

# BlogSite Screenshot Demo

## My Blog: Logged In

A screenshot of a web browser window titled "Blog". The address bar shows "localhost:5000/users/createUser". The page content includes a navigation bar with "BlogSite", "Home", "All Blogs", "My blog", and a "Logout" link. A green success message box displays "Successfully signed up and logged in".

Blog

localhost:5000/users/createUser

BlogSite Home All Blogs My blog Logout

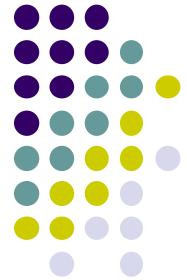
Successfully signed up and logged in

No blog posts yet

Copyright © BlogSite 2022

# BlogSite Screenshot Demo

## My Blog: Add Blog



A screenshot of a web browser window titled "Blog". The address bar shows "localhost:5000/users/createUser". The navigation bar includes "BlogSite", "Home", "All Blogs", "My blog", and "Logout". A modal dialog box is open, containing "Add Blog" (highlighted in blue) and "Edit Blog". A green success message box says "Successfully signed up". The main content area displays the text "No blog posts yet".

No blog posts yet

Copyright © BlogSite 2022

# BlogSite Screenshot Demo

## My Blog: Add Blog



Screenshot of a web browser window showing the "Add Blog" form for the BlogSite application.

The browser title bar reads "Blog" and the address bar shows "localhost:5000/myBlogs/add".

The page header includes the "BlogSite" logo, navigation links for "Home", "All Blogs", and "My blog", and a user account section with "Logout".

The main content area is titled "Blog Entry".

**Title:** A text input field containing "Lorem ipsum 1".

**Details:** A large text area containing a long block of placeholder text (Lorem ipsum).

A "Submit" button is located at the bottom left of the form.

```
Blog Site Screenshot Demo
My Blog: Add Blog

Blog
localhost:5000/myBlogs/add
BlogSite Home All Blogs My blog Logout

Blog Entry
Title
Lorem ipsum 1

Details
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

Submit
```

# BlogSite Screenshot Demo

## My Blog: Edit Blog



Screenshot of a web browser displaying a blog editing interface for 'BlogSite'. The browser window title is 'Blog' and the URL is 'localhost:5000/myBlogs'.

The page header includes a navigation bar with 'BlogSite', 'Home', 'All Blogs', 'My blog', and a 'Logout' link.

The main content area displays two blog posts:

- Post 1:** **Lorem ipsum 1** *Created on: Thu Jun 16 2022 09:43:26 GMT+0800 (香港標準時間)* 0 comments  
Content: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.  
Edit Delete
- Post 2:** **Lorem ipsum 2** *Created on: Thu Jun 16 2022 09:44:07 GMT+0800 (香港標準時間)* 0 comments  
Content: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.  
Edit Delete

The bottom left corner shows the URL: 'localhost:5000/myBlogs/edit/62aa8abef99e404c1482c95'

# BlogSite Screenshot Demo

## My Blog: Edit Blog



Screenshot of a web browser displaying the 'Edit Blog' page of a blog site.

The browser window title is "Blog". The address bar shows the URL: [localhost:5000/myBlogs/edit/62aa8abefe99e404c1482c95](http://localhost:5000/myBlogs/edit/62aa8abefe99e404c1482c95).

The page header includes the "BlogSite" logo, navigation links for "Home", "All Blogs", and "My blog", and a user account section with a "Logout" link.

The main content area has a title "Edit Blog" and a subtitle "Title Created on: Thu Jun 16 2022 09:43:26 GMT+0800 (香港標準時間)".

A text input field contains the placeholder text "Lorem ipsum 1 rev".

A "Details" section contains a large amount of placeholder text (Lorem ipsum) enclosed in a light blue box:

```
aaaaaaaaaaaaaaaaaaaaaaaaaaaaa| Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.
```

A "Submit" button is located at the bottom of the form.

# BlogSite Screenshot Demo

## My Blog: Edit Blog



Screenshot of a web browser window showing the 'Blog' page at localhost:5000/myBlogs. The page title is 'Blog'. The navigation bar includes links for 'BlogSite', 'Home', 'All Blogs', 'My blog', 'Logout', and a user icon. The main content area displays two blog posts.

**Lorem ipsum 1 rev** *Created on: Thu Jun 16 2022 09:43:26 GMT+0800 (香港標準時間)*

0

aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

Edit

Delete

**Lorem ipsum 2** *Created on: Thu Jun 16 2022 09:44:07 GMT+0800 (香港標準時間)*

0

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

# BlogSite Screenshot Demo

## My Blog: Delete Blog



Screenshot of a web browser displaying a blog management interface.

The browser window title is "Blog". The address bar shows "localhost:5000/myBlogs". The page header includes "BlogSite" and "Logout" links, along with standard browser controls.

The main content area displays two blog entries:

- Blog Entry 1:** "Lorem ipsum 1 rev" (Created on: Thu Jun 16 2022 09:43:26 GMT+0800 (香港標準時間)). The content is a long paragraph of placeholder text. Below the content are "Edit" and "Delete" buttons.
- Blog Entry 2:** "Lorem ipsum 2" (Created on: Thu Jun 16 2022 09:44:07 GMT+0800 (香港標準時間)). The content is another long paragraph of placeholder text.

# BlogSite Screenshot Demo

## My Blog: Delete Blog



Screenshot of a web browser displaying a blog management interface for 'BlogSite'. The page shows two blog entries with options to edit or delete them.

The browser window title is 'Blog' and the URL is 'localhost:5000/myBlogs'.

The navigation bar includes links for 'BlogSite', 'Home', 'All Blogs', 'My blog', and 'Logout'.

**Blog Entry 1:** **Created on:** Thu Jun 16 2022 09:44:07 GMT+0800 (香港標準時間) **Comments:** 0

**Content:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

**Actions:** Edit (blue button), Delete (red button)

**Blog Entry 2:** **Created on:** Thu Jun 16 2022 09:45:09 GMT+0800 (香港標準時間) **Comments:** 0

**Content:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

# BlogSite Screenshot Demo

## All Blogs: Add Comment



Blog    X    +

localhost:5000/blogs

BlogSite Home All Blogs My blog    Logout

All Blogs user1 user user2 user user3 user4 testuser5 user6 user7 user8 user10 user11 user12  
user15 demouser testuser dummy user trialuser dummyuser

**user1 blogpost1**

 Author: user1 Created on: Tue Jun 14 2022 20:43:10 GMT+0800 (香港標準時間) 0

user1 blogpost1 details: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

[Add Comment](#)

**user1 blogpost2**

 Author: user1 Created on: Tue Jun 14 2022 20:43:50 GMT+0800 (香港標準時間) 0

user1 blogpost2 details: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit

localhost:5000/commentBlog/62a8825e796604447b97e160

# BlogSite Screenshot Demo

## All Blogs: Add Comment



Blog    X    +

localhost:5000/commentBlog/62a8825e796604447b97e160

BlogSite Home All Blogs My blog    Logout

### user1 blogpost1

Author: user1 Posted on: Tue Jun 14 2022 20:43:10 GMT+0800 (香港標準時間)    0

user1 blogpost1 details: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

#### Comment

Ut ut varius turpis, nec blandit felis. Mauris semper ex eget libero lacinia condimentum. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Etiam nec sodales diam, ut fermentum arcu. Praesent condimentum accumsan portitor. Donec vel massa facilisis, ultricies massa vel, pellentesque elit. In hac habitasse platea dictumst. Praesent non est vestibulum, viverra est sit amet, finibus dui. Mauris euismod bibendum justo semper interdum. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum semper egestas metus, nec finibus odio maximus at. Aliquam sed nisl dictum sem feugiat commodo. Integer ornare orci vel justo egestas, ut tincidunt orci auctor. Nullam laoreet est libero, at pharetra libero pulvinar nec. Vestibulum scelerisque mauris eget velit mollis tincidunt. Nam imperdiet feugiat velit, non vestibulum ligula cursus vitae.

# BlogSite Screenshot Demo

## All Blogs: Add Comment



Screenshot of a web browser displaying the 'All Blogs: Add Comment' page of a blog site.

The browser window title is "Blog". The address bar shows the URL: "localhost:5000/commentBlog/62a8825e796604447b97e160".

The navigation bar includes links for "BlogSite", "Home", "All Blogs", "My blog", and "Logout".

The main content area has a heading "Comment" and contains a large block of placeholder text (Lorem ipsum) in red.

A blue "Submit" button is located at the bottom left of the comment form.

# BlogSite Screenshot Demo

## All Blogs: Add Comment



Blog    X    +

localhost:5000/blogs

BlogSite Home All Blogs My blog    Logout

All Blogs user1 user user2 useruseruser3 user4 testuser5 user6 user7 user8 user10 user11 user12  
user15 demouser testuser dummy user trialuser dummyuser

**user1 blogpost1**

 Author: user1 Created on: Tue Jun 14 2022 20:43:10 GMT+0800 (香港標準時間)  1

user1 blogpost1 details: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

 dummyuser Posted on: Thu Jun 16 2022 09:50:20 GMT+0800 (香港標準時間)

Ut ut varius turpis, nec blandit felis. Mauris semper ex eget libero lacinia condimentum. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Etiam nec sodales diam, ut fermentum arcu. Praesent condimentum accumsan porttitor. Donec vel massa facilisis, ultricies massa vel, pellentesque elit. In hac habitasse platea dictumst. Praesent non est vestibulum, viverra est sit amet, finibus dui. Mauris euismod bibendum justo semper interdum. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum semper egestas metus, nec finibus odio maximus at. Aliquam sed nisl dictum sem feugiat commodo. Integer ornare orci vel justo egestas, ut tincidunt orci

# BlogSite Screenshot Demo

## All Blogs: Subscribe Blog Button



Screenshot of a web browser displaying the 'All Blogs' page of the BlogSite application.

The browser window title is "Blog". The address bar shows "localhost:5000/blogs". The page header includes the "BlogSite" logo, navigation links for "Home", "All Blogs", and "My blog", and user account links for "Logout".

The main content area displays a blog post titled "Lorem ipsum 3". The post is authored by "dummyuser" and was created on "Thu Jun 16 2022 09:45:09 GMT+0800 (香港標準時間)". It has 0 comments. The post content is a long block of placeholder text (Lorem ipsum).

Below the post is a blue "Add Comment" button. At the bottom of the page are two buttons: "Subscribe Blog" (blue) and "Back To Top" (green).

# BlogSite Screenshot Demo

## All Blogs: Subscribe Pop-Up



Blog

localhost:5000/blogs

BlogSite Home All Blogs My blog Add Comment

Lore ipsum 3

Author: dummyuser Created on: 2022-01-01 12:00:00

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam dapibus. Nullam ipsum felis, cursus vel felis ultrices, facilisis mauris et, consequat. Cras et leo congue massa dapibus lobortis lectus eget posuere enim bibendum pellentesque. Suspendisse euismod sapien nec vehicula.

Add Comment

To Subscribe:

Choose which: ALL user1 user user2 useruser3 user4 testuser5 user6 user7 user8 user10 user11

Input your NAME here

Input your EMAIL here

Press submit. System will automatically record your details and return to blog

Submit

Copyright © BlogSite 2022

# BlogSite Screenshot Demo

## All Blogs: Subscribe Pop-Up



Screenshot of a web browser displaying the BlogSite application. The page shows a blog post titled "Lorem ipsum 3" by "dummyuser". A "Subscribe" pop-up window is overlaid on the page, prompting the user to enter an email address. The email input field contains "dummy@" and has a validation error message: "請輸入「@」後面的部分。「dummy@」不是完整值。".

The browser interface includes a title bar "Blog", navigation buttons, and a toolbar with icons for refresh, search, and other functions.

BlogSite Home All Blogs My blog Add Comment

Logout

BlogSite Home All Blogs My blog Add Comment

Author: dummyuser Created on: 2022-01-01 10:00:00

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam ipsum felis, cursus vel felis ultrices, facilisis mauris et. Cras et leo congue massa dapibus lobortis lectus eget posuere. Enim bibendum pellentesque. Sunt euismod sapien nec vehicula.

! 請輸入「@」後面的部分。「dummy@」不是完整值。

record your details and return to blogs

Submit

Copyright © BlogSite 2022

# BlogSite Screenshot Demo

## All Blogs: Subscribe Pop-Up



Screenshot of a web browser displaying the BlogSite application. The page shows a list of blogs, with a focus on a specific blog entry titled "Lorem ipsum 3". A "Subscribe" pop-up window is overlaid on the page.

The browser title bar reads "Blog" and the address bar shows "localhost:5000/blogs". The navigation menu includes "BlogSite", "Home", "All Blogs", "My blog", "Add Comment", and "Logout".

The main content area displays a blog post by "dummyuser" with the text: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam ipsum felis, cursus vel felis ultrices, facilisis mauris et consequat. Cras et leo congue massa dapibus lobortis lectus eget posuere enim bibendum pellentesque. Sed euismod sapien nec vehicula." Below the text is another "Add Comment" button.

The "To Subscribe:" pop-up window contains the following fields:

- "Choose which:  blog": The input field contains "user1".
- "
- "": This input field is highlighted with a blue border.

Below the inputs is a red warning message: "Press 請符合要求的格式。 Automatically record your details and return to blogs".

A purple "Submit" button is at the bottom of the pop-up.

At the bottom of the page, the copyright notice "Copyright © BlogSite 2022" is visible.

# BlogSite Screenshot Demo

## All Blogs: Subscribe Pop-Up



Screenshot of a web browser displaying the BlogSite application. The page shows a blog post titled "Lorem ipsum 3" by "dummyuser". A "Subscribe" pop-up window is overlaid on the page.

The browser window title is "Blog" and the URL is "localhost:5000/blogs". The navigation bar includes links for "BlogSite", "Home", "All Blogs", "My blog", "Add Comment", and "Logout".

The blog post content is as follows:

**Author:** dummyuser Created on: [redacted]  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam ipsum felis, cursus vel felis ultrices, facilisis mauris et. consequat. Cras et leo congue massa dapibus lobortis lectus eget posuere enim bibendum pellentesque. Sed euismod sapien nec vehicula.

**To Subscribe:**

Choose which:  blog

**Press submit. System will automatically record your details and return to blogs**

**Submit**

Copyright © BlogSite 2022

# BlogSite Screenshot Demo

## Navigation Bar: Logout



Screenshot of a web browser displaying the BlogSite application. The page shows a navigation bar with links for Home, All Blogs, My blog, and Logout. Below the navigation bar, a list of users is displayed. The main content area shows a blog post by user1 titled "user1 blogpost1". The post details are as follows:

**Author: user1** Created on: Tue Jun 14 2022 20:43:10 GMT+0800 (香港標準時間) 1

user1 blogpost1 details: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

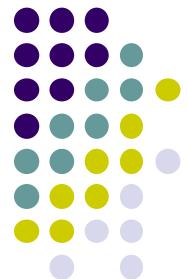
**dummyuser** Posted on: Thu Jun 16 2022 09:50:20 GMT+0800 (香港標準時間)

Ut ut varius turpis, nec blandit felis. Mauris semper ex eget libero lacinia condimentum. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Etiam nec sodales diam, ut fermentum arcu. Praesent condimentum accumsan porttitor. Donec vel massa facilisis, ultricies massa vel, pellentesque elit. In hac habitasse platea dictumst. Praesent non est vestibulum, viverra est sit amet, finibus dui. Mauris euismod bibendum justo semper interdum. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum semper egestas metus, nec finibus odio maximus at. Aliquam sed nisl dictum sem feugiat commodo. Integer ornare orci vel justo egestas, ut tincidunt orci

<localhost:5000/users/logout>

# BlogSite Screenshot Demo

## Navigation Bar: Login



Screenshot of a web browser displaying the BlogSite homepage.

The browser window title is "Blog". The address bar shows "localhost:5000". The page header includes a "BlogSite" logo, "Home", "All Blogs" links, and "Sign Up" and "Login" buttons.

The main content area features a welcome message: "Welcome to BlogSite !". Below it is a tagline: "Create a beautiful blog that fits your style. Have fun and share your knowledge, experience and moments of happiness." A decorative banner with the text "- Our Family Adventures -" and two star icons is displayed.

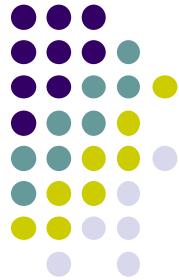
A photograph of four people (three adults and one child) is shown, labeled "Family weekend out".

The background of the main content area has a light blue color with a faint illustration of various household items like a microwave, a lamp, a wine glass, a dog, an apple, a mug, a window, a toothbrush, a bottle, and a chair.

The bottom left corner of the screenshot shows the URL "localhost:5000/users/login".

# BlogSite Screenshot Demo

## Navigation Bar: Login



A screenshot of a web browser window displaying the BlogSite login page. The browser's title bar reads "Blog". The address bar shows "localhost:5000/users/login". The page itself has a dark header with "BlogSite" and navigation links "Home" and "All Blogs". On the right side of the header are "Sign Up" and "Login" buttons. The main content area is titled "Login" and contains two input fields: "User Name" with the value "dummyuser" and "Password" with several dots indicating the password. A blue "Submit" button is at the bottom left of the form.

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# BlogSite Screenshot Demo

## Navigation Bar: Login



Screenshot of a web browser displaying the BlogSite application at [localhost:5000/myBlogs](http://localhost:5000/myBlogs). The page shows two blog posts and a navigation bar.

The navigation bar includes links for [BlogSite](#), [Home](#), [All Blogs](#), [My blog](#), and [Logout](#).

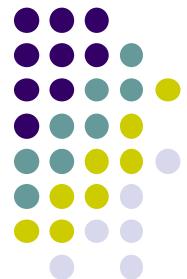
The first blog post is titled **Lorem ipsum 2** and was created on *Thu Jun 16 2022 09:44:07 GMT+0800 (香港標準時間)*. It has 0 comments. The post content is a long paragraph of placeholder text. Below the post are two buttons: a blue "Edit" button and a red "Delete" button.

The second blog post is titled **Lorem ipsum 3** and was created on *Thu Jun 16 2022 09:45:09 GMT+0800 (香港標準時間)*. It has 0 comments. The post content is a long paragraph of placeholder text.

A footer link at the bottom left of the page is [localhost:5000/users/logout](http://localhost:5000/users/logout).

# BlogSite Screenshot Demo

## Navigation Bar: Logged out



Screenshot of a web browser displaying the BlogSite homepage. The browser window title is "Blog". The address bar shows "localhost:5000". The navigation bar includes links for "BlogSite", "Home", and "All Blogs", along with "Sign Up" and "Login" buttons. The main content area features a "Welcome to BlogSite!" message and a "Technology News" section with a sub-section titled "Airborne technology" and an image of a large white spherical balloon.

Blog

localhost:5000

BlogSite Home All Blogs Sign Up Login

Welcome to BlogSite !

Create a beautiful blog that fits your style. Have fun and share your knowledge, experience and moments of happiness.

Technology News

Airborne technology



# BlogSite Screenshot Demo

## All Blogs: Visitor



Blog x +

localhost:5000/blogs

BlogSite Home All Blogs Sign Up Login

All Blogs user1 user user2 useruseruser3 user4 testuser5 user6 user7 user8 user10 user11 user12  
user15 demouser testuser dummy user trialuser dummyuser

**user1 blogpost1**

 Author: user1 Created on: Tue Jun 14 2022 20:43:10 GMT+0800 (香港標準時間) 1

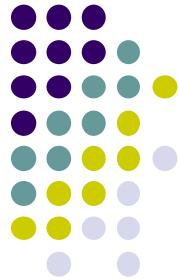
user1 blogpost1 details: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

 dummyuser Posted on: Thu Jun 16 2022 09:50:20 GMT+0800 (香港標準時間)

Ut ut varius turpis, nec blandit felis. Mauris semper ex eget libero lacinia condimentum. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Etiam nec sodales diam, ut fermentum arcu. Praesent condimentum accumsan porttitor. Donec vel massa facilisis, ultricies massa vel, pellentesque elit. In hac habitasse platea dictumst. Praesent non est vestibulum, viverra est sit amet, finibus dui. Mauris euismod bibendum justo semper interdum. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum semper egestas metus, nec finibus odio maximus at. Aliquam sed nisl dictum sem feugiat commodo. Integer ornare orci vel justo egestas, ut tincidunt orci

# BlogSite Screenshot Demo

## All Blogs: Visitor to Add Comment



Screenshot of a web browser displaying a blog post on a "Blog" site.

The browser window title is "Blog". The address bar shows "localhost:5000/blogs". The page header includes "BlogSite" (active), "Home", "All Blogs", "Sign Up", and "Login".

The main content area shows a blog post by "user1" titled "blogpost1".

**Author:** user1 Created on: Tue Jun 14 2022 20:43:10 GMT+0800 (香港標準時間)

**Comments:** 1

**Content:** user1 blogpost1 details: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sodales arcu ac fermentum laoreet. Fusce a elit nec mauris pellentesque dapibus. Nullam ipsum felis, cursus ac vehicula nec, egestas non sapien. In mattis ultrices velit, in placerat odio hendrerit nec. Aenean vel felis ultrices, facilisis mauris et, varius nunc. Donec eget justo et neque laoreet posuere eget ut ante. Morbi lobortis laoreet consequat. Cras et leo congue mauris aliquam vestibulum nec sit amet magna. Pellentesque vulputate molestie euismod. Nunc dapibus lobortis lectus eget posuere. Duis non risus vitae ante vehicula tristique. Ut sed faucibus nibh. Pellentesque non massa non enim bibendum pellentesque. Suspendisse ex mi, dapibus in dapibus quis, porta ut ante. Fusce a accumsan ex. Suspendisse cursus euismod sapien nec vehicula.

**Comment by dummyuser:** Posted on: Thu Jun 16 2022 09:50:20 GMT+0800 (香港標準時間)

Ut ut varius turpis, nec blandit felis. Mauris semper ex eget libero lacinia condimentum. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Etiam nec sodales diam, ut fermentum arcu. Praesent condimentum accumsan porttitor. Donec vel massa facilisis, ultricies massa vel, pellentesque elit. In hac habitasse platea dictumst. Praesent non est vestibulum, viverra est sit amet, finibus dui. Mauris euismod bibendum justo semper interdum. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum semper egestas metus, nec finibus odio maximus at. Aliquam sed nisl dictum sem feugiat commodo. Integer ornare orci vel justo egestas, ut tincidunt orci auctor. Nullam laoreet est libero, at pharetra libero pulvinar nec. Vestibulum scelerisque mauris eget velit mollis tincidunt. Nam imperdiet feugiat velit, non vestibulum ligula cursus vitae.

**Add Comment**

localhost:5000/commentBlog/62a8825e796604447b97e160

# BlogSite Screenshot Demo

## All Blogs: Visitor to Add Comment



Blog    X    +

localhost:5000/commentBlog/62a8825e796604447b97e160

BlogSite Home All Blogs    Sign Up Login

You are not logged in.

### Welcome to BlogSite !

Create a beautiful blog that fits your style. Have fun and share your knowledge, experience and moments of happiness.

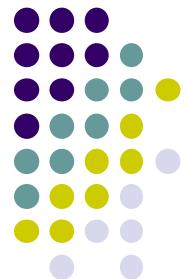
*My cooking blog*

Delicious dessert recipe



# BlogSite Screenshot Demo

## MongoDB: blogSite Database



MongoDB Compass - localhost:27017/blogSite

Connect View Help

localhost:27017

6 DBS 8 COLLECTIONS C

Create collection View

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 5.0.8 Community

My Queries

Databases

Filter your data

blogSite + -

- blogs
- subscribers
- users

Collections

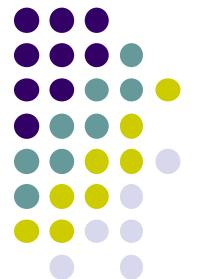
Sort by Collection Name ↑

Storage size:	Documents:	Avg. document size:	Indexes:	Total index size:
20.48 kB	13	845.00 B	1	36.86 kB
20.48 kB	5	125.00 B	1	36.86 kB
36.86 kB	17	1.19 kB	2	73.73 kB

+

# BlogSite Screenshot Demo

## MongoDB: blogs Collection



MongoDB Compass - localhost:27017/blogSite.blogs

Connect View Collection Help

localhost:27017

6 DBS 8 COLLECTIONS

FAVORITE

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 5.0.8 Community

My Queries

Databases

Filter your data

blogSite

blogs

subscribers

users

config

local

Documents blogSite.blogs

blogSite.blogs

13 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { field: 'value' } OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 13 of 13 < > C REFRESH

```
_id: ObjectId('62a8825e796604447b97e160')
title: "user1 blogpost1"
details: "user1 blogpost1 details: Lorem ipsum dolor sit amet, consectetur adipi..."
author: ObjectId('62a881e0796604447b97e153')
comments: Array
  0: Object
    commentDetails: "Ut ut varius turpis, nec blandit felis. Mauris semper ex eget libero l..."
    commentUser: "dummyuser"
    _id: ObjectId('62aa8c5cfe99e404c1482cba')
    commentTime: 2022-06-16T01:50:20.322+00:00
    time: 2022-06-14T12:43:10.511+00:00
    __v: 0

_id: ObjectId('62a88286796604447b97e167')
title: "user1 blogpost2"
details: "user1 blogpost2 details: Lorem ipsum dolor sit amet, consectetur adipi..."
author: ObjectId('62a881e0796604447b97e153')
comments: Array
```

# BlogSite Screenshot Demo

## MongoDB: users Collection



MongoDB Compass - localhost:27017/blogSite.users

Connect View Collection Help

localhost:27017

6 DBS 8 COLLECTIONS

FAVORITE

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 5.0.8 Community

My Queries

Databases

Filter your data

blogSite

blogs

subscribers

users

config

local

Documents blogSite.users

+

blogSite.users

17 DOCUMENTS 2 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

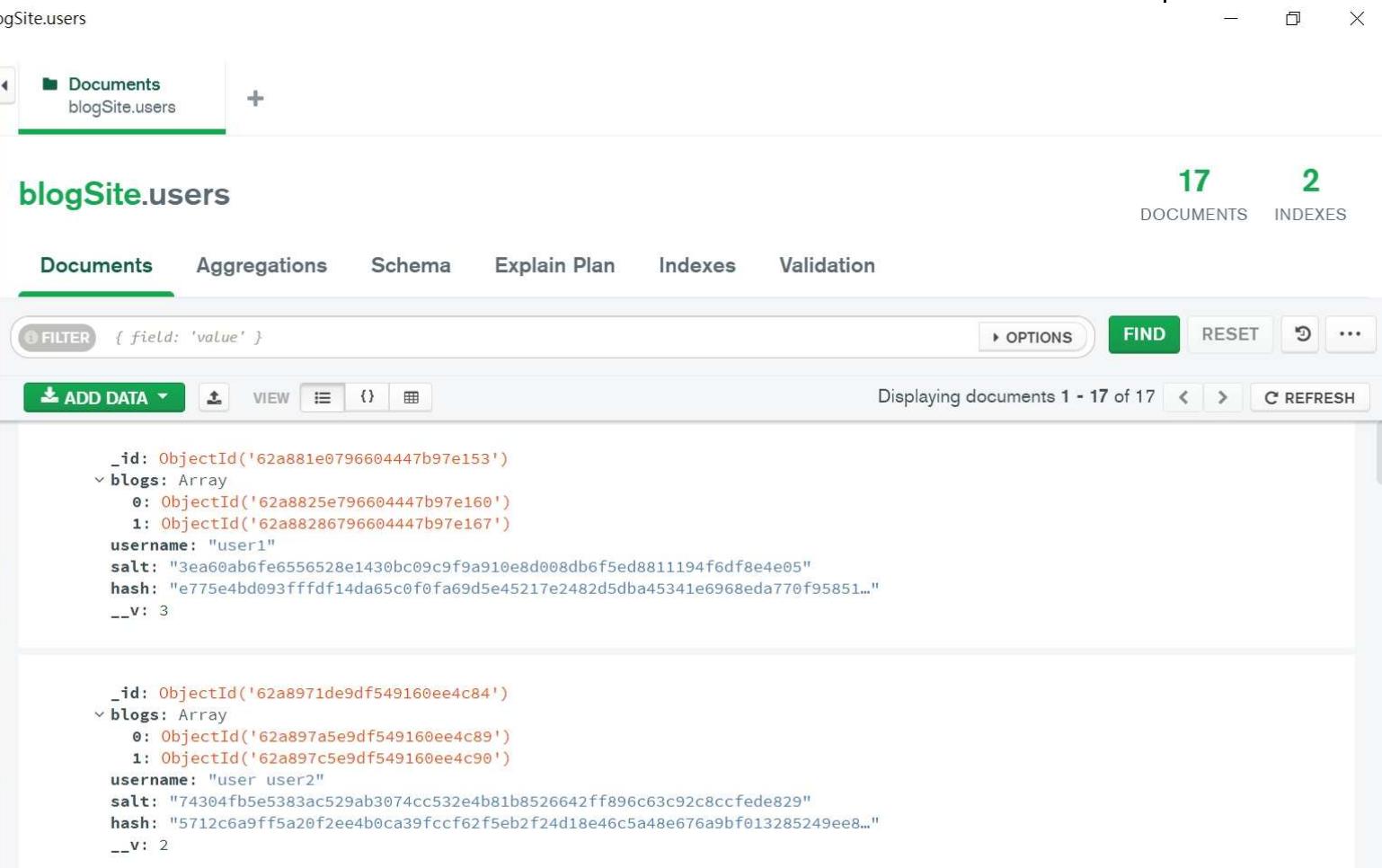
FILTER { field: 'value' } OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 17 of 17 < > C REFRESH

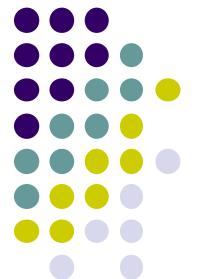
```
_id: ObjectId('62a881e0796604447b97e153')
  blogs: Array
    0: ObjectId('62a8825e796604447b97e160')
    1: ObjectId('62a88286796604447b97e167')
  username: "user1"
  salt: "3ea60ab6fe6556528e1430bc09c9f9a910e8d008db6f5ed8811194f6df8e4e05"
  hash: "e775e4bd093fffd14da65c0f0fa69d5e45217e2482d5dba45341e6968eda770f95851..."
  __v: 3

_id: ObjectId('62a8971de9df549160ee4c84')
  blogs: Array
    0: ObjectId('62a897a5e9df549160ee4c89')
    1: ObjectId('62a897c5e9df549160ee4c90')
  username: "user user2"
  salt: "74304fb5e5383ac529ab3074cc532e4b81b8526642ff896c63c92c8ccfede829"
  hash: "5712c6a9ff5a20f2ee4b0ca39fccf62f5eb2f24d18e46c5a48e676a9bf013285249ee8..."
  __v: 2
```



# BlogSite Screenshot Demo

## MongoDB: subscribers Collection



MongoDB Compass - localhost:27017/blogSite.subscribers

Connect View Collection Help

localhost:27017

6 DBS 8 COLLECTIONS

FAVORITE

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 5.0.8 Community

My Queries

Databases

Filter your data

blogSite

- blogs
- subscribers
- users

config

local

Documents blogSite.subscribers

+

### blogSite.subscribers

3 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { field: 'value' } OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 3 of 3 < > C REFRESH

```
_id: ObjectId('62a8a778fb900c9d897a1bf6')
subscriberName: "test3 subscriber"
subscriberEmail: "test3@subscriber.com"
followAuthor: "useruseruser3"
__v: 0
```

```
_id: ObjectId('62a93f04a19d5e2c0c371175')
subscriberName: "Demo User"
subscriberEmail: "demo@user.com"
followAuthor: "user1"
__v: 0
```

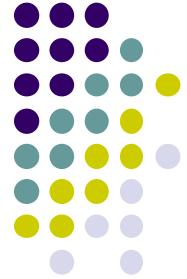
```
_id: ObjectId('62aa8da6fe99e404c1482cc2')
subscriberName: "dummyuser"
subscriberEmail: "dummy@user.com"
followAuthor: "user1"
__v: 0
```

The screenshot shows the MongoDB Compass interface connected to the 'localhost:27017' host. On the left sidebar, under the 'blogSite' database, the 'subscribers' collection is selected. The main pane displays the 'Documents' tab for the 'blogSite.subscribers' collection. It shows three documents with the following data:

- Document 1: \_id: ObjectId('62a8a778fb900c9d897a1bf6'), subscriberName: "test3 subscriber", subscriberEmail: "test3@subscriber.com", followAuthor: "useruseruser3", \_\_v: 0
- Document 2: \_id: ObjectId('62a93f04a19d5e2c0c371175'), subscriberName: "Demo User", subscriberEmail: "demo@user.com", followAuthor: "user1", \_\_v: 0
- Document 3: \_id: ObjectId('62aa8da6fe99e404c1482cc2'), subscriberName: "dummyuser", subscriberEmail: "dummy@user.com", followAuthor: "user1", \_\_v: 0

The interface includes a filter bar, search and refresh buttons, and tabs for other collection operations like Aggregations and Schema.

# BlogSite



## Live Demonstration by Alan

- Visitor (without registration)
  - Can visit site
    - Read all the blogs and by registered user
    - Search blogs by any registered user
    - But cannot make comments to the blogs
- User registration
  - Signup process



# Live Demonstration by Alan

- User
  - Login
    - **Create blogs**
    - **Read all, selected others' and my blogs**
    - **Update (edit) my blogs**
    - **Delete blogs**
    - Search blogs by user and can leave comments  
(number of comments updated)
  - Logout (and become a visitor)



## Live Demonstration by Alan

- A glance at BlogSite MongoDB database structures via MongoDB Compass
  - Users
  - Blogs
    - Comments
  - Subscribers



# Possible Future Improvements

- **Users**
  - Different types of users can be added, e.g.
    - admin for management
    - registered user for bloggers
- **Blogs**
  - Different types of topics can be added, e.g. a pre-defined selection of topic themes:
    - Cooking
    - Technology
    - Family
- **Login**
  - Forgot password step (with user email address added) can be included
- **Subscribers**
  - Send an acknowledgement email to subscribers and notice emails when new blog posts are available in the system

# BlogSite

## Division of Work



Item	Alan	Clement
app.js	✓	✓ subscribers, createUser, public
models • Blog.js	✓ User, Blog, Comment	✓ Blog.Comment. commentTime, Subscriber
views • 404, 500 • index • blogs • commentBlog	✓ ✓ ✓ ✓	✓ buttons & popup

# BlogSite

## Division of Work



Item	Alan	Clement
views		
• layouts - main	✓ bootstrap3	bootstrap4, carousel
• partials - _navbar - _footer	✓ glyphicon	✓ sticky top, font awesome ✓
• users - createUser - login	✓ ✓	

# BlogSite

## Division of Work



Item	Alan	Clement
views • myBlogs - index - add - edit	✓ ✓ ✓	
public • styles.css • images		✓ ✓
Project Report		✓

# Q & A Session



# End of Presentation



Thank  
you