

---

# Go Markdown

— Markdown Parse & Collaborative Editing —

**Team 204:** Hongkun LENG, Rui LU,  
Jiupeng SUN, Shiyue LIU

---

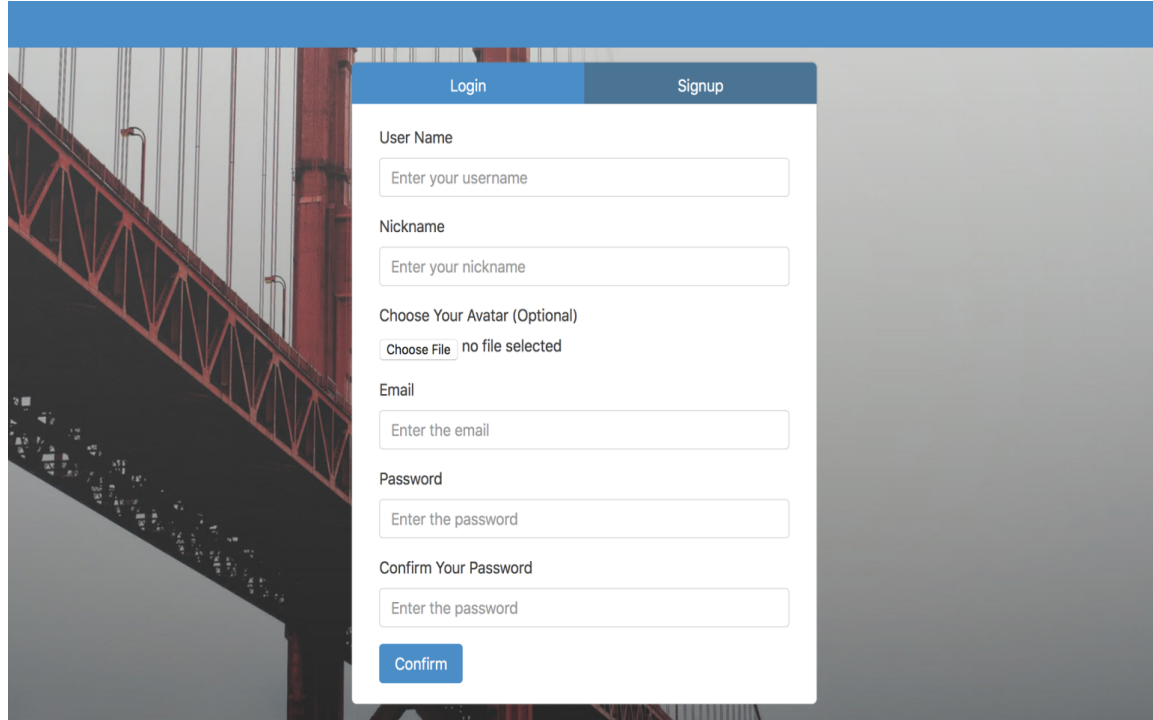
# Framework

❖ User sign-up and login

❖ Document List Page

❖ Document Edit Page

❖ Chat Page



The image shows a web application interface with a background image of a bridge. A white modal form is overlaid on the right side of the screen. The form has a blue header bar with two tabs: "Login" and "Signup". The "Signup" tab is currently selected. The form contains the following fields and elements:

- User Name:** A text input field with the placeholder text "Enter your username".
- Nickname:** A text input field with the placeholder text "Enter your nickname".
- Choose Your Avatar (Optional):** A file selection area showing a "Choose File" button and the text "no file selected".
- Email:** A text input field with the placeholder text "Enter the email".
- Password:** A text input field with the placeholder text "Enter the password".
- Confirm Your Password:** A text input field with the placeholder text "Enter the password".
- Confirm:** A blue button at the bottom of the form.

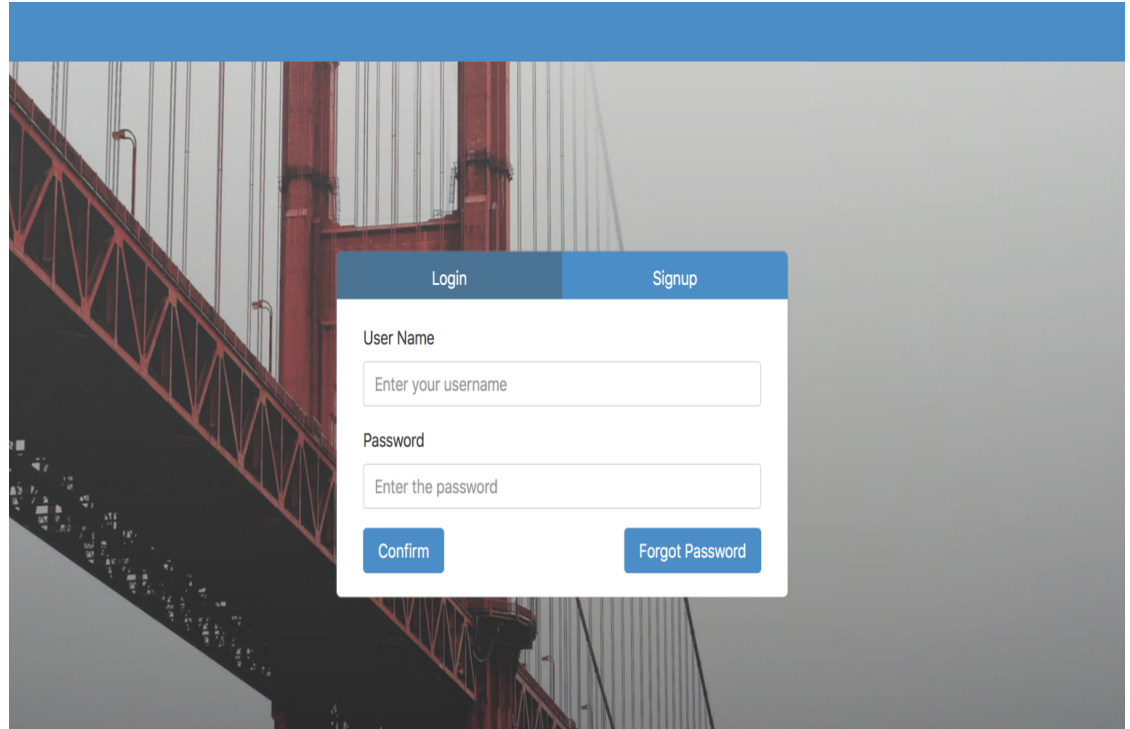
# Framework

❖ User sign-up and login

❖ Document List Page

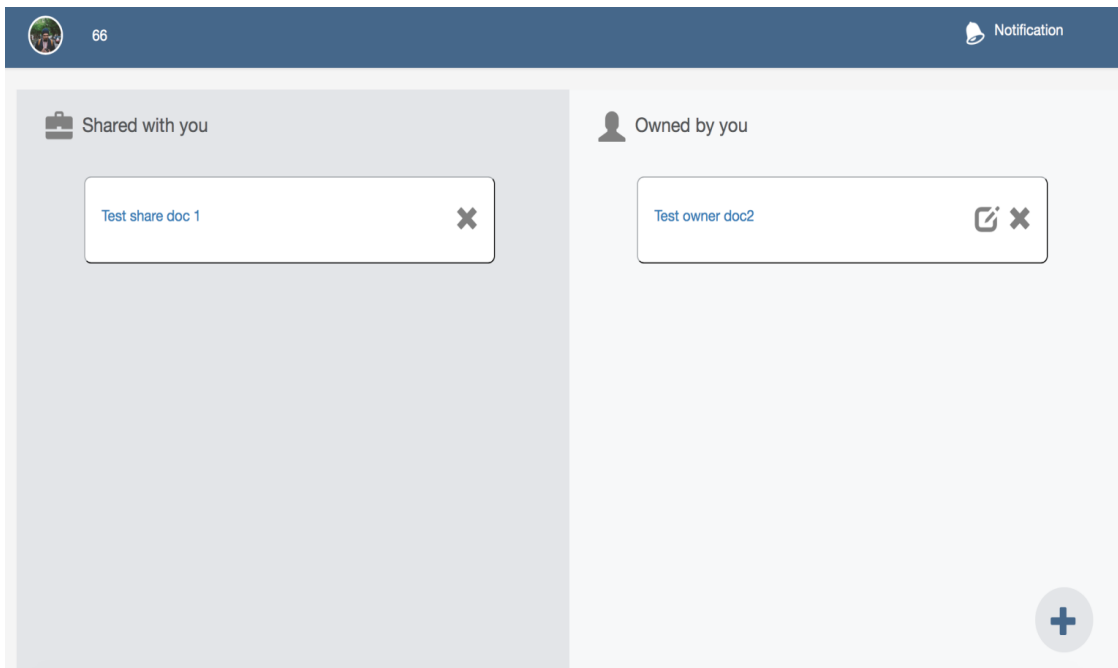
❖ Document Edit Page

❖ Chat Page



# Framework

- ❖ User sign-up and login
- ❖ **Document List Page**
- ❖ Document Edit Page
- ❖ Chat Page



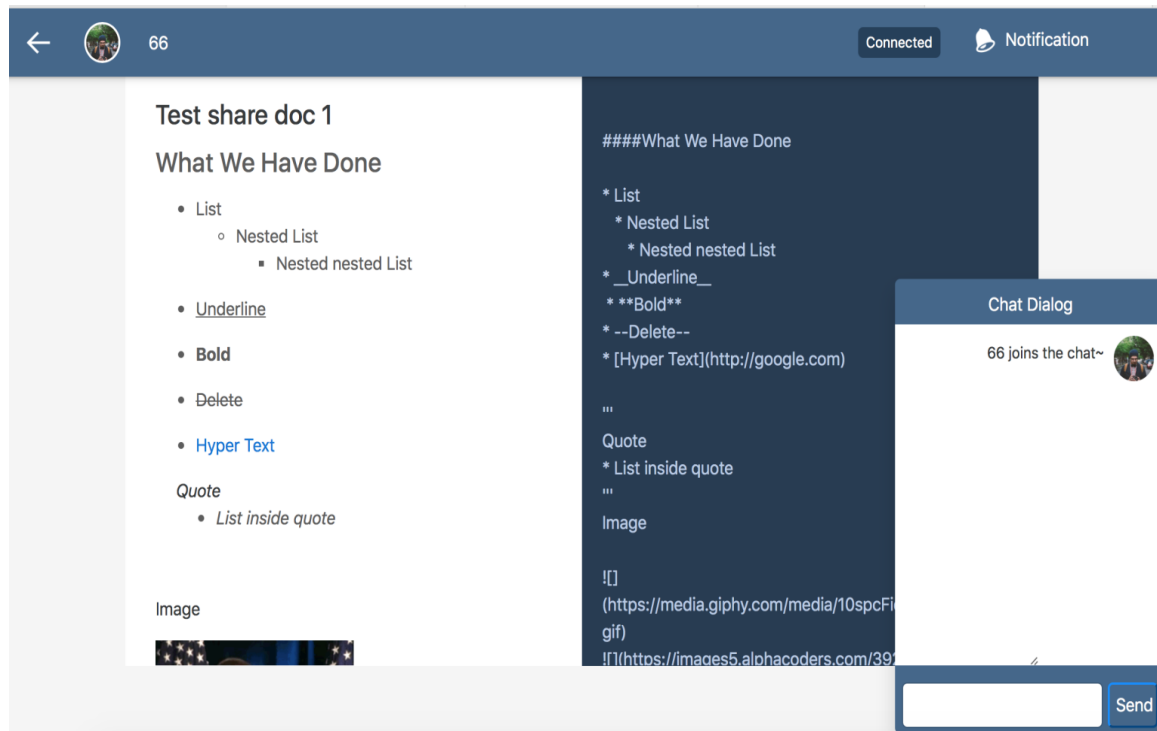
# Framework

❖ User sign-up and login

❖ Document List Page

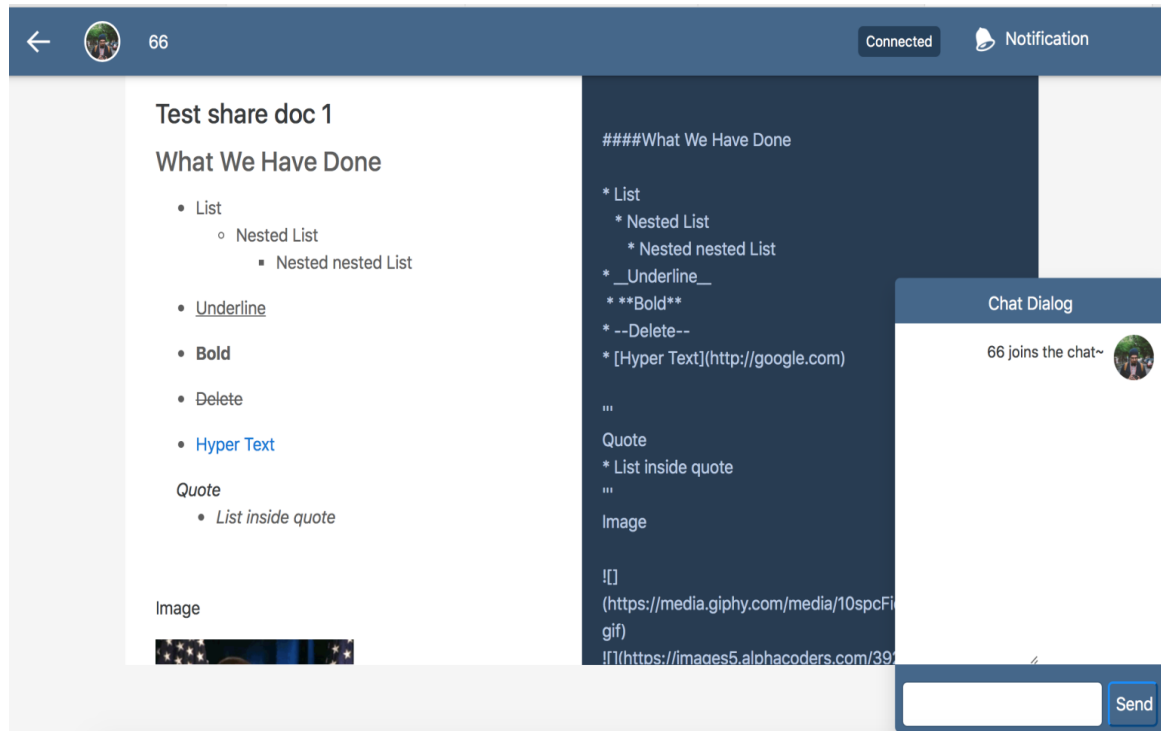
❖ Document Edit Page

❖ Chat Page



# Framework

- ❖ User sign-up and login
- ❖ Document List Page
- ❖ Document Edit Page
- ❖ Chat Page



# Completion

## Frontend

- ❖ Markdown parse
  - Developed markdown library
  - Self - defined tags, such as headings, nested bullet points, italic, bold, image...
- ❖ Markdown display synchronously
- ❖ User login and sign up
- ❖ File editing page development with foldable chat dialog box
- ❖ Profile page development with notification functions
- ❖ UI redesign such as dialog box inputs
- ❖ Data operation management
- ❖ Data storage

# Completion

## Backend

- ❖ Access management
- ❖ User login and sign up
- ❖ File editing page development
- ❖ Profile page development
- ❖ Chat function
- ❖ Deployment
- ❖ Data synchronization
- ❖ Data storage



# Progress

Challenge	Solution
❖ Data synchronization & transmission	❖ Do not transmit whole text, but transmit diff text and operation
❖ Markdown syntax parse	❖ JavaScript parse syntax tree
❖ Separation of frontend & backend	❖ REST API, Ajax request
❖ Deployment	❖ Automatic deployment (reload on git commit) with Jenkins

# Future

- ❖ Advanced markdown custom tags
- ❖ Gallery function in Markdown
- ❖ Performance optimization

**Thanks : )**