# HTML structure and CSS styling for the design of the Application

## Application Page Flowchart

Login Page → Search Page → Search Results List Output → View Functionality / Edit Functionality
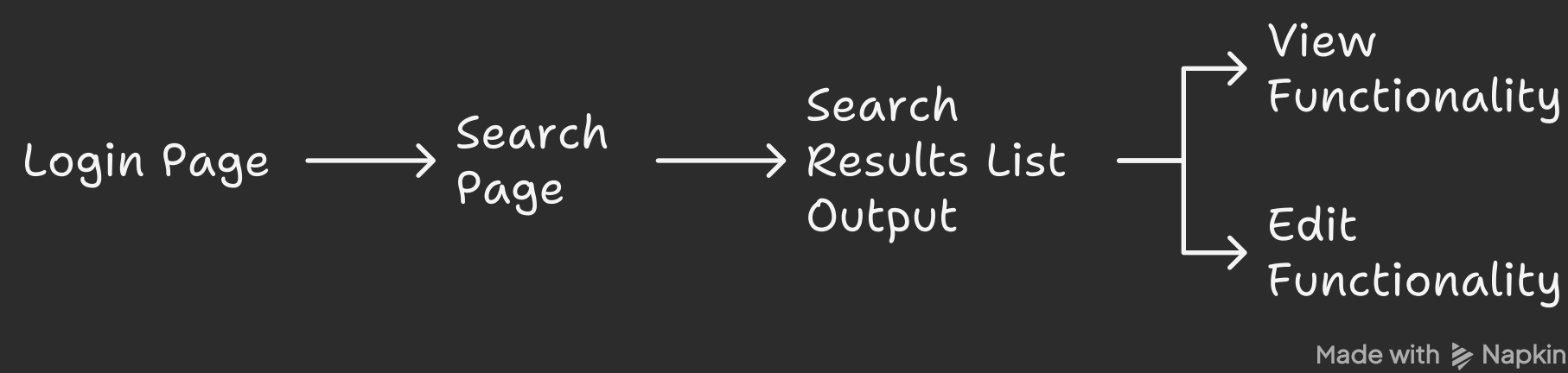
## Login Page

**Page elements**

1. Input Fields
    1. Username
    2. Password
2. Interactive elements
    1. Sign in button
    2. Register user button [If the user does not already exist in the database]
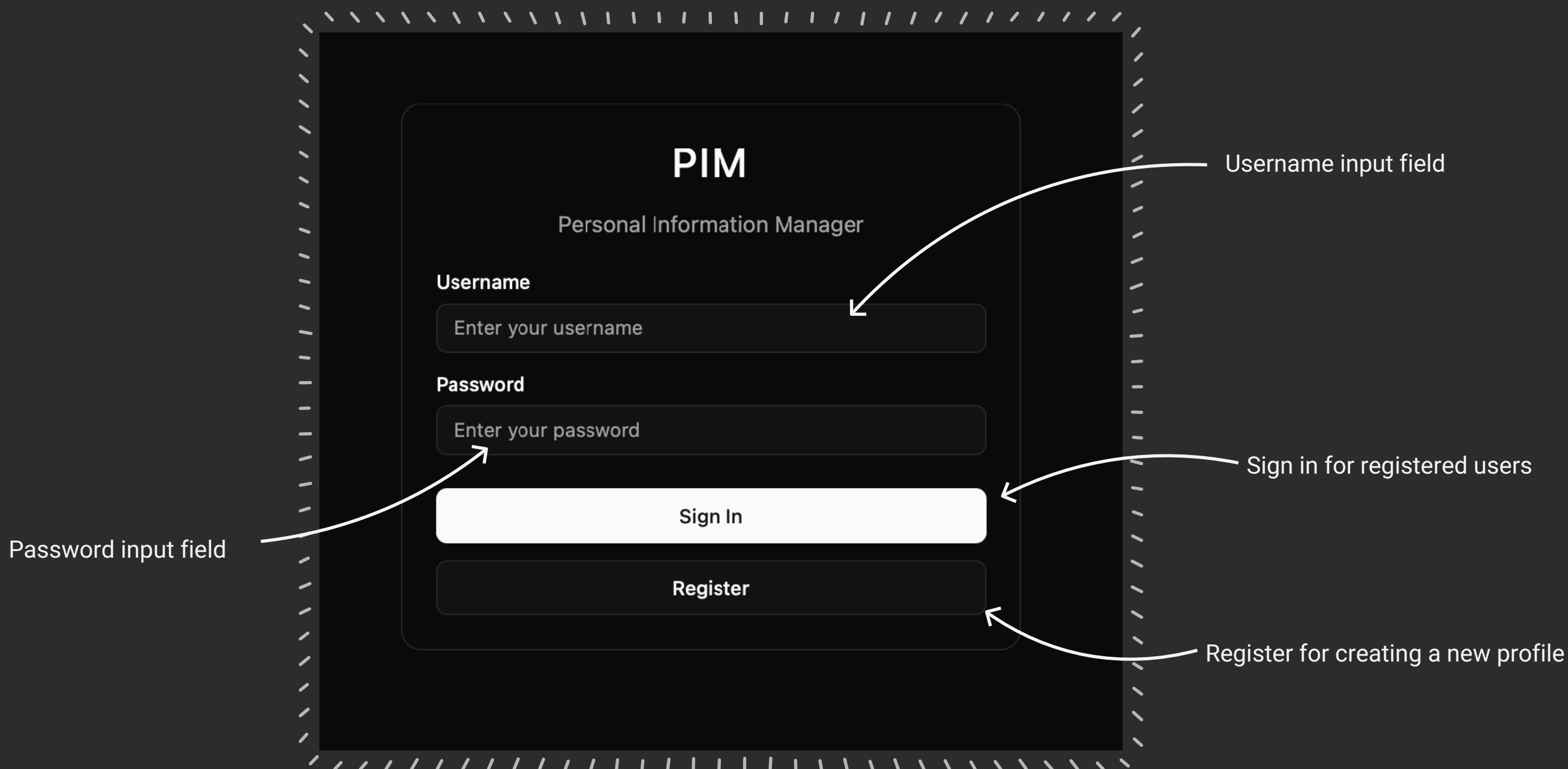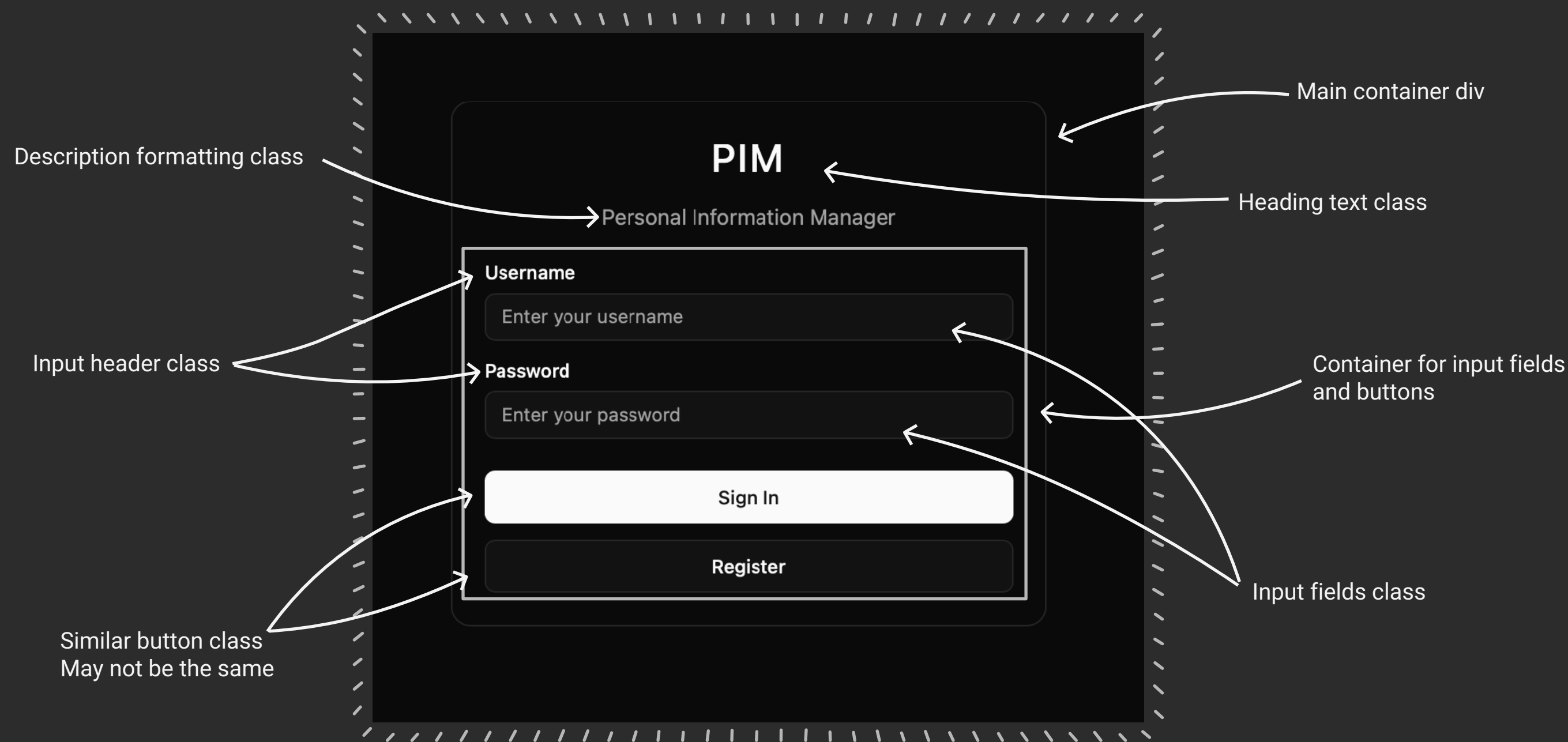
## Search page

1. Input Fields
    1. Search input bar
2. Interactive elements
    1. Search button
    2. Edit button
3. Post Search interaction
    1. List of clickable notes [Particles]
        1. Edit button
            1. Editor
        2. View button
            1. Particle editor

## Design

# PIM

Personal Information Manager

**Username**

Enter your username

**Password**

Enter your password

Sign In

Register

Username input field

Sign in for registered users

Password input field

Register for creating a new profile

## HTML elements

# PIM

Personal Information Manager

**Username**

Enter your username

**Password**

Enter your password

Sign In

Register

Description formatting class

Main container div

Heading text class

Input header class

Container for input fields and buttons

Input fields class

Similar button class
May not be the same

Here the styling of the input finds and their titles can share styling since they only differ in content

Main Container div

Header

PIM

gut

Input field
Search box

Create particle    Search

Buttons

| #123 | 2024-05-23 | Article on gut bacteria | View | Edit |
| #21 | 2024-01-12 | Gut health and the brain | View | Edit |
| #79 | 2024-03-11 | Gut-wrenching story on Gaza | View | Edit |
| #66 | 2024-07-10 | How to pay attention to your gut-feel | View | Edit |

List of search results
along with functional buttons
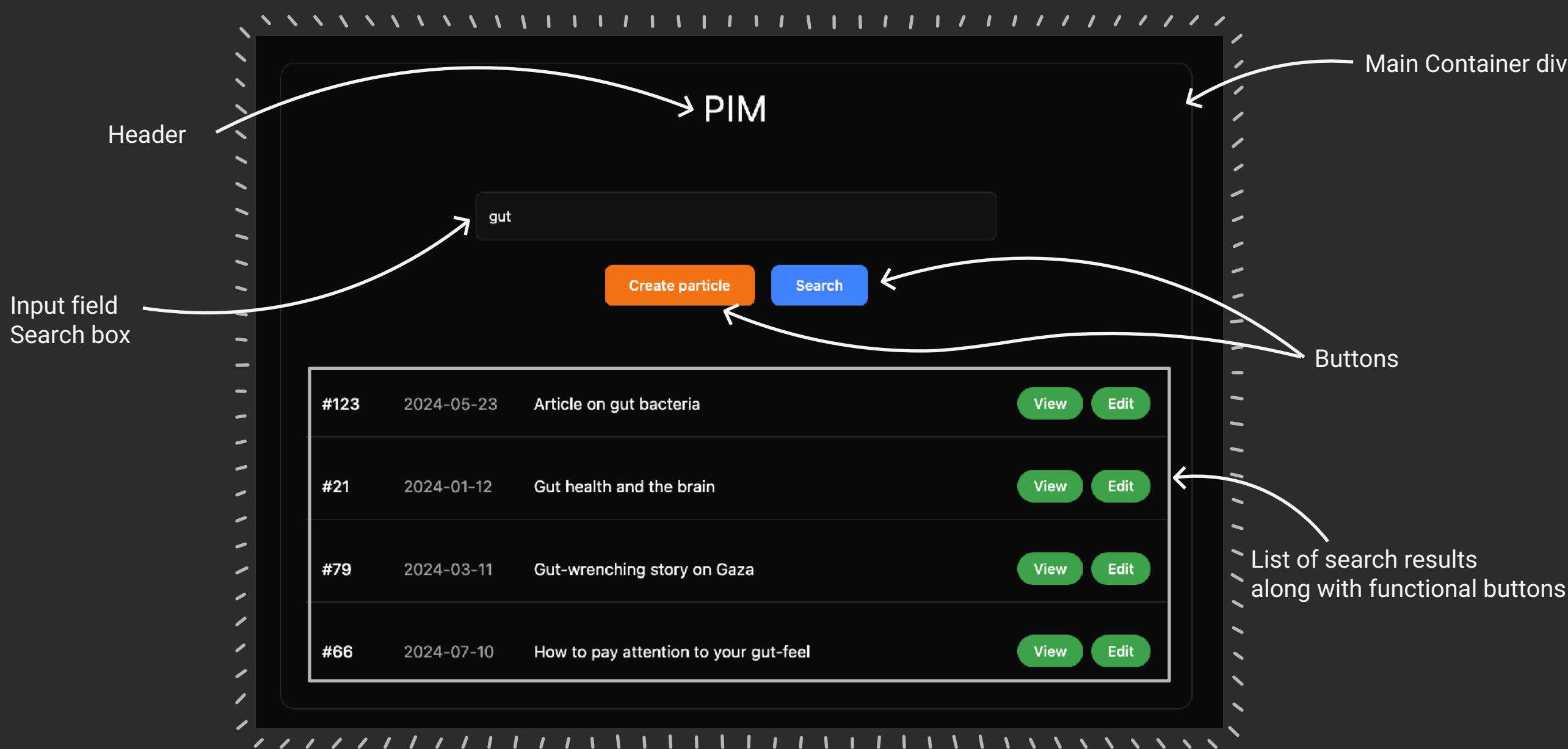
Here, the listed results can share CSS styling as they only differ in content.

## CSS Styling

### For the Login page main container

```
.form-container {
  background-color: #181818;
  border-radius: 16px;
  padding: 32px;
  margin: 50px auto;
  width: 350px;
  box-shadow: 0 4px 16px rgba(0,0,0,0.5);
  color: #fff;
}
```

### For the input labels

```
label {
  font-weight: bold;
  margin-bottom: 6px;
  display: block;
  color: #fff;
  font-size: 1rem;
}
```

### For the login page input fields

```
input[type="text"],
input[type="password"] {
  width: 100%;
  padding: 10px;
  margin-bottom: 18px;
```

```css
  border: none;
  border-radius: 6px;
  background-color: #232323;
  color: #fff;
  font-size: 1rem;
  outline: none;
}
input[type="text"]::placeholder,
input[type="password"]::placeholder {
  color: #888;
}
```

**For the Buttons**

```css
.button {
  width: 100%;
  padding: 12px 0;
  border-radius: 8px;
  font-size: 1rem;
  font-weight: 600;
  margin-bottom: 12px;
  cursor: pointer;
  border: none;
  transition: background 0.2s;
}

.signin-button {
  background: #fff;
  color: #181818;
}
.signin-button:hover {
  background: #e0e0e0;
}

.register-button {
  background: #232323;
  color: #fff;
  border: 2px solid #444;
}
.register-button:hover {
  background: #333;
}
```
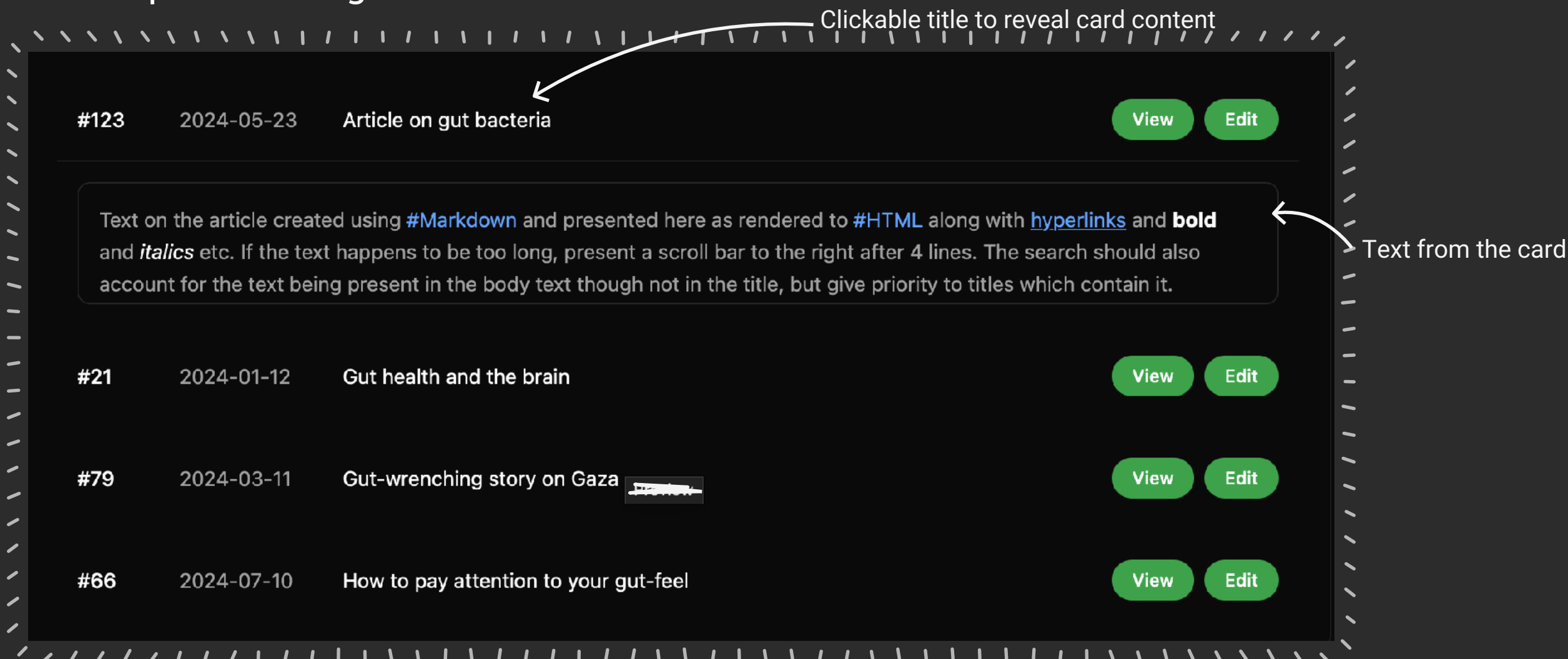
## For the Search page

**For the main container**

```css
.pim-container {
  background-color: #181818;
  border-radius: 16px;
  padding: 40px;
  margin: 40px auto;
  width: 650px;
  box-shadow: 0 4px 24px rgba(0,0,0,0.7);
  color: #fff;
}
```

## In place Viewing

**#123**    2024-05-23    Article on gut bacteria    View  Edit

Text on the article created using #Markdown and presented here as rendered to #HTML along with hyperlinks and **bold** and *italics* etc. If the text happens to be too long, present a scroll bar to the right after 4 lines. The search should also account for the text being present in the body text though not in the title, but give priority to titles which contain it.

**#21**    2024-01-12    Gut health and the brain    View  Edit

**#79**    2024-03-11    Gut-wrenching story on Gaza    View  Edit

**#66**    2024-07-10    How to pay attention to your gut-feel    View  Edit

## CSS Styling

### For the main container

```
.page-container {
  background-color: #181818;
  border-radius: 14px;
  padding: 38px;
  margin: 40px auto;
  width: 720px;
  color: #fff;
  box-shadow: 0 6px 28px rgba(0,0,0,0.7);
}
```

### For each row of content / card
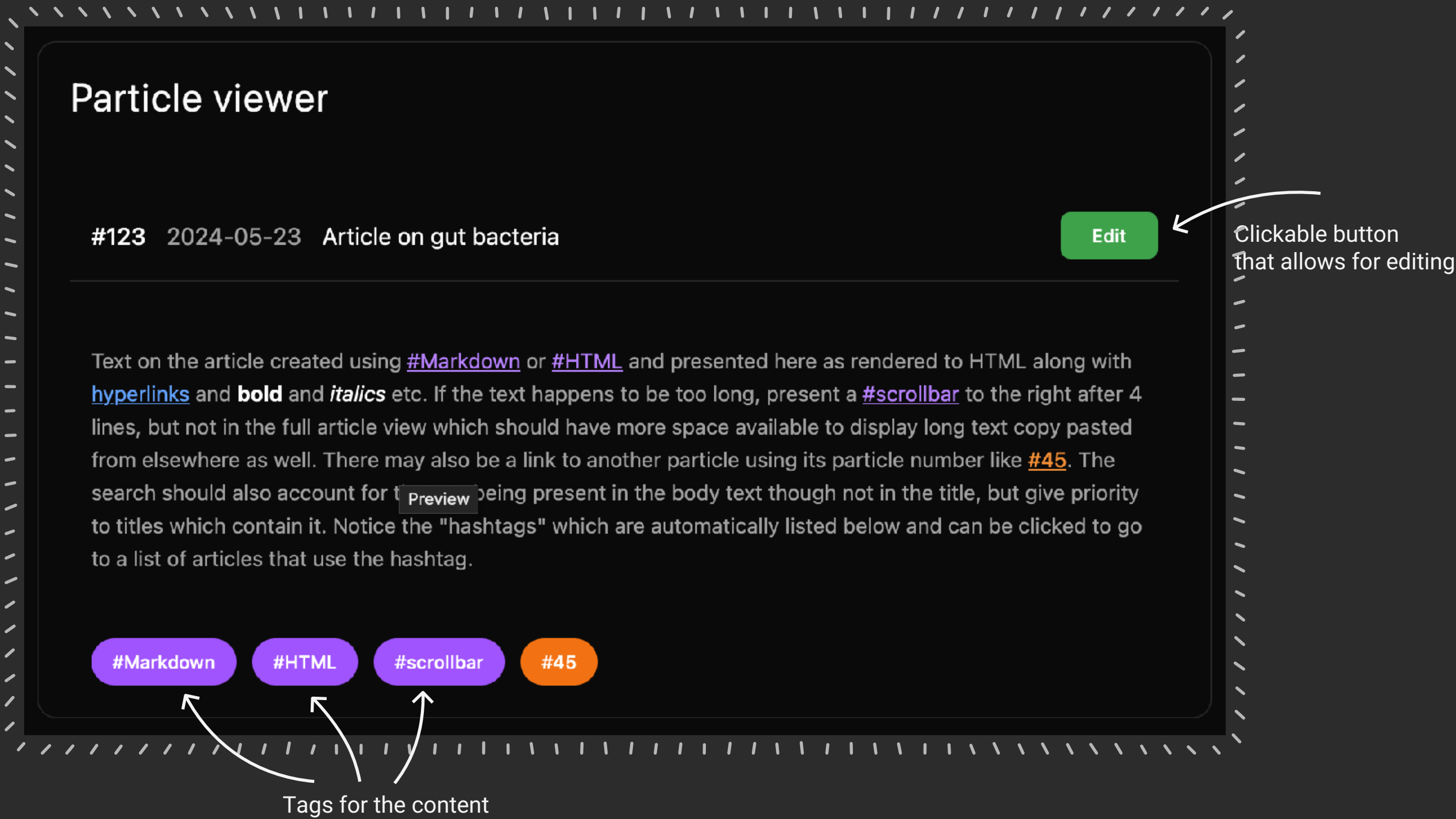
```
.article-row {
  display: flex;
  align-items: center;
  padding: 14px 0;
  border-bottom: 1px solid #252525;
  font-size: 1.05rem;
  position: relative;
}
.article-row:last-child {
  border-bottom: none;
}
```

### For info on the articles

```
.article-id {
  width: 64px;
  font-weight: bold;
  color: #ff8000;
}
.article-date {
  width: 120px;
  color: #aaa;
  font-size: 0.98rem;
  letter-spacing: 0.5px;
```

```
  }
  .article-title {
    width: 320px;
    font-weight: 600;
  }
```

**Particle viewer**



Particle viewer

#123    2024-05-23    Article on gut bacteria                    Edit

*Clickable button that allows for editing*

Text on the article created using #Markdown or #HTML and presented here as rendered to HTML along with hyperlinks and **bold** and *italics* etc. If the text happens to be too long, present a #scrollbar to the right after 4 lines, but not in the full article view which should have more space available to display long text copy pasted from elsewhere as well. There may also be a link to another particle using its particle number like #45. The search should also account for the [Preview] being present in the body text though not in the title, but give priority to titles which contain it. Notice the "hashtags" which are automatically listed below and can be clicked to go to a list of articles that use the hashtag.

#Markdown    #HTML    #scrollbar    #45

*Tags for the content*

## CSS styling

### For the main container

```
.particle-viewer-container {
  background-color: #181818;
  border-radius: 14px;
  padding: 36px;
  margin: 40px auto;
  width: 540px;
  color: #fff;
  box-shadow: 0 6px 28px rgba(0,0,0,0.7);
  font-family: 'Inter', 'Segoe UI', Arial, sans-serif;
}
```

### For the article content

```
.particle-content {
```

```css
  margin-top: 12px;
  background: #222;
  border-radius: 8px;
  padding: 22px 20px;
  color: #dadada;
  font-size: 1.08rem;
  line-height: 1.7;
  box-shadow: 0 2px 8px rgba(0,0,0,0.10);
}

.particle-content a {
  color: #36aaff;
  text-decoration: underline;
}

.particle-content strong {
  font-weight: bold;
  color: #fff;
}

.particle-content em {
  font-style: italic;
  color: #e9e9e9;
}

.particle-content .hashtag {
  color: #aa75f9;
  font-weight: 600;
  text-decoration: none;
}

.particle-content .link-ref {
  color: #ff8000;
  font-weight: bold;
  text-decoration: underline;
}
```

**For the bottom tags**

```css
.tag-badges-container {
  margin-top: 20px;
  display: flex;
  gap: 12px;
  flex-wrap: wrap;
}

.tag-badge {
  background: #a57afa;
  color: #fff;
  border-radius: 20px;
```

```css
  font-size: 1.03em;
  padding: 7px 20px;
  font-weight: 600;
  cursor: pointer;
  border: none;
  transition: background 0.15s;
}
.tag-badge:hover {
  background: #b187f1;
}

.tag-badge.orange {
  background: #ff8000;
}
.tag-badge.orange:hover {
  background: #ffa44d;
}
```