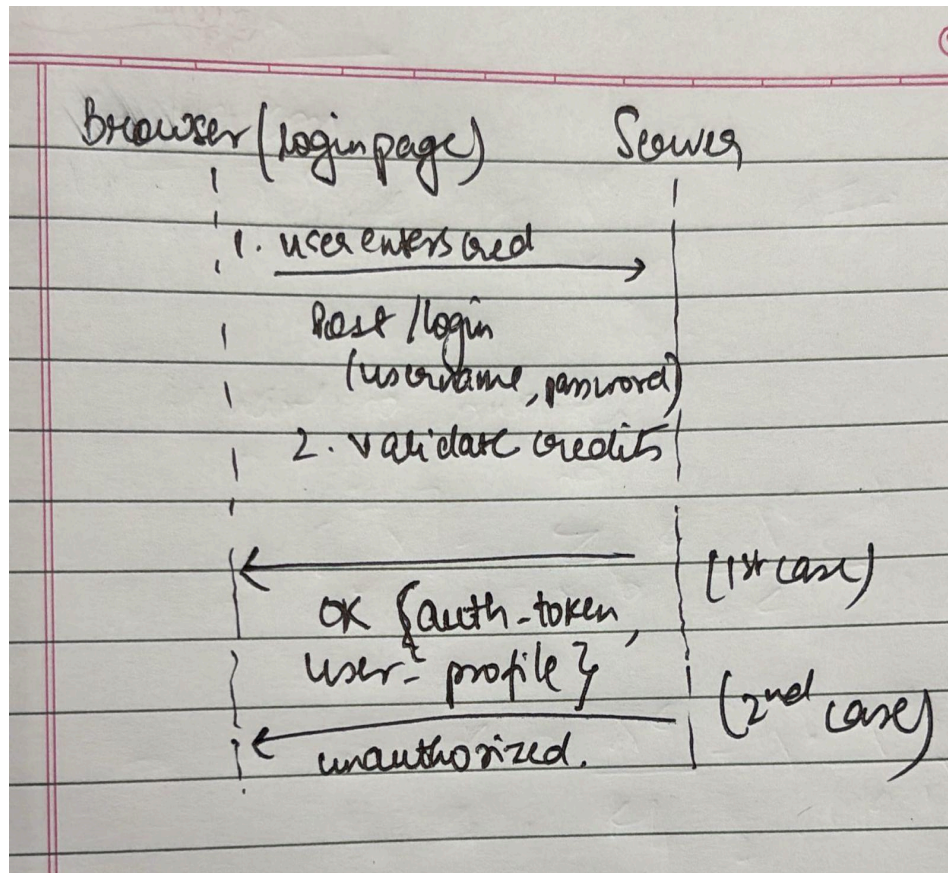


1. Login Page



(Request from Browser -> Server)

POST /login

```
{
  "Username": "kaavya",
  "password": "Pass123"
}
```

If response- Success

```

{
  "status": "success",
  "auth_token": "eyJhbGciOiJIUzI1NiIs...\"",
  "user_profile": {
    "user_id": 42,
    "display_name": "Kaavya Iyer",
    "last_login": "2025-08-13T10:45:00Z"
  }
}

```

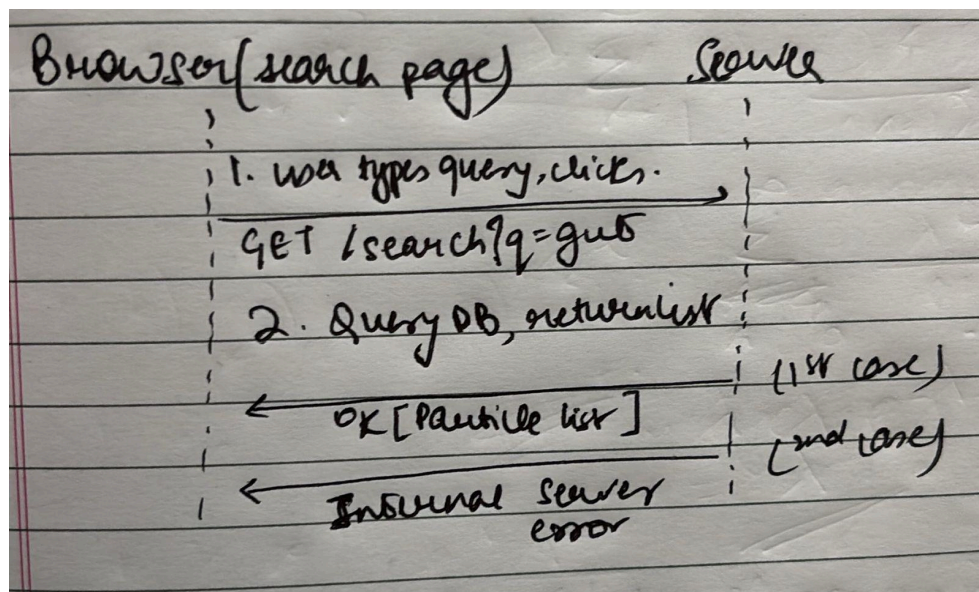
If response- Failure

```

{
  "status": "error",
  "error_code": "INVALID_CREDENTIALS",
  "message": "Username or password is incorrect."
}

```

2. Search page



Request(browser->server)

GET /search?q=gut

Headers: { "Authorization": "Bearer <auth_token>" }

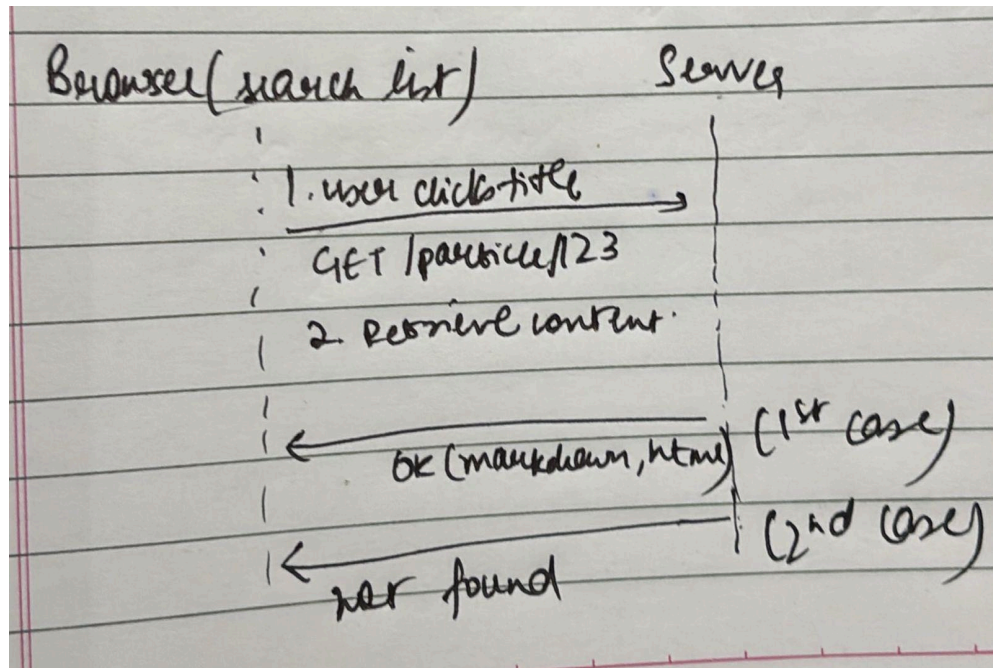
If response -success

```
{
  "status": "success",
  "results": [
    {
      "id": 123,
      "date": "2024-05-23",
      "title": "Article on gut bacteria"
    },
    {
      "id": 21,
      "date": "2024-01-12",
      "title": "Gut health and the brain"
    }
  ]
}
```

If response- failure

```
{
  "status": "error",
  "error_code": "SEARCH_FAILED",
  "message": "Could not retrieve search results."
}
```

3. Article expansion page



request(browser->server)

GET /particle/123

Headers: { "Authorization": "Bearer <auth_token>" }

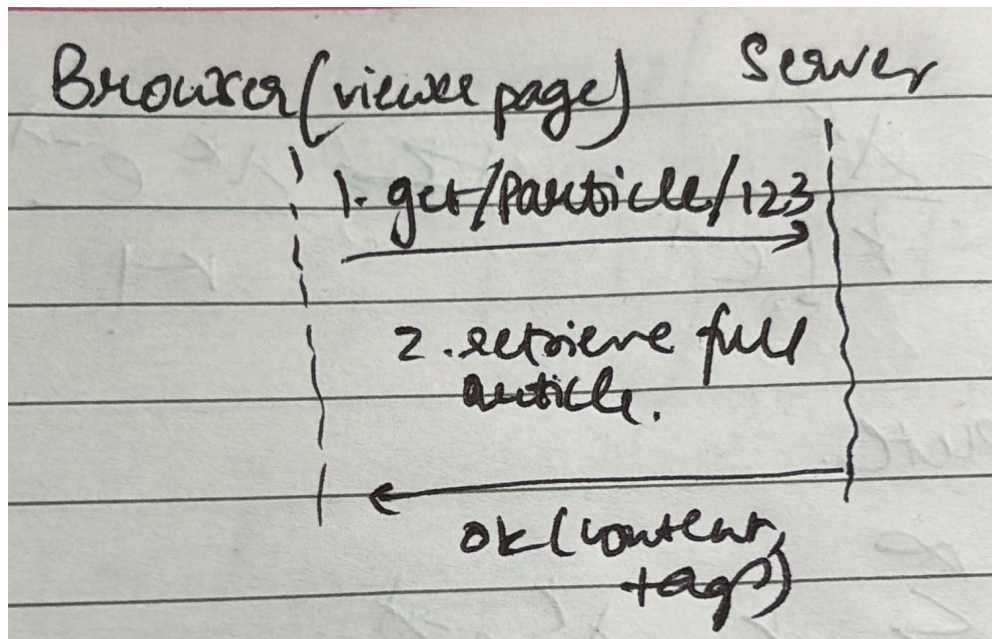
If response- success

```
{
  "status": "success",
  "id": 123,
  "date": "2024-05-23",
  "title": "Article on gut bacteria",
  "content_markdown": "Text on the article created using #Markdown...",
  "content_html": "<p>Text on the article created using <strong>#Markdown</strong>...</p>"
}
```

If response- failure

```
{  
  "status": "error",  
  "error_code": "NOT_FOUND",  
  "message": "Particle not found."  
}
```

4. PIM article viewer



request(browser->server)

GET /particle/123?full=true

Headers: { "Authorization": "Bearer <auth_token>" }

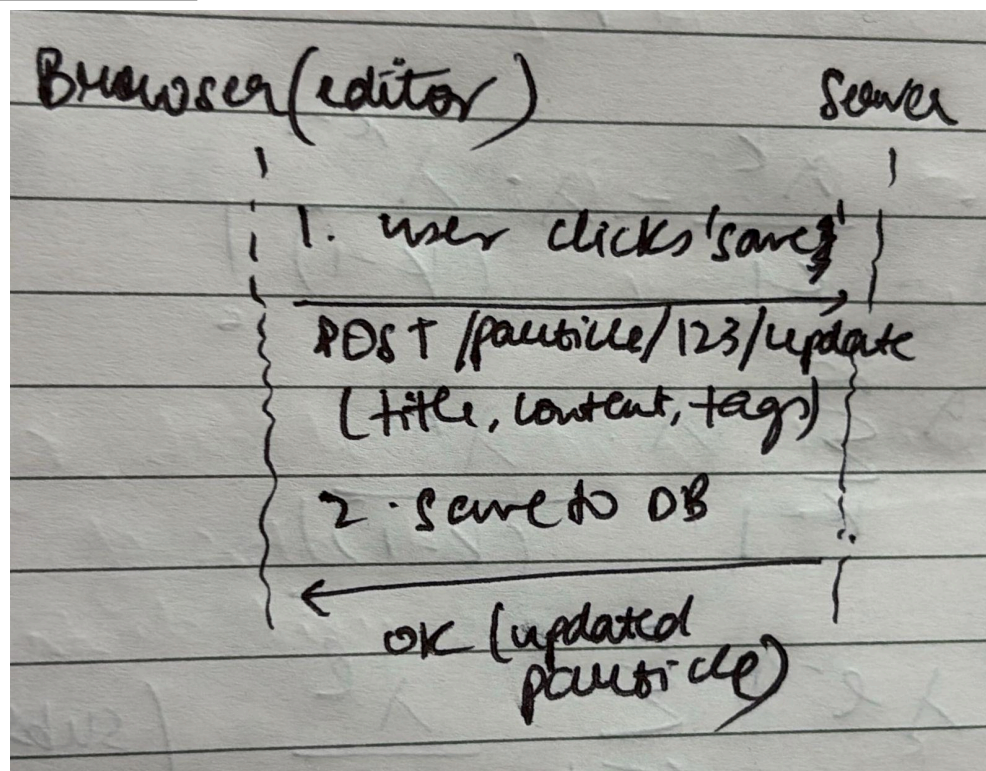
If response- success


```
{
  "status": "success",
  "id": 123,
  "date": "2024-05-23",
  "title": "Article on gut bacteria",
  "content_markdown": "Text on the article created using #Markdown or #HTML...",
  "tags": ["#Markdown", "#HTML", "#scrollbar", "#45"]
}
```

If response- failure

```
{
  "status": "error",
  "error_code": "VIEW_FAILED",
  "message": "Unable to display particle."
}
```

5. Pim article editor



request(browser->server)

POST /particle/123/update

Headers: { "Authorization": "Bearer <auth_token>" }

Body:

```
{
  "title": "Article on gut bacteria",
  "content_markdown": "Text on the article created using #Markdown or #HTML...",
  "tags": ["#Markdown", "#HTML", "#scrollbar", "#45"]
}
```

If response-success

```
{
  "status": "success",
  "message": "Particle updated successfully",
  "updated_particle": {
    "id": 123,
    "title": "Article on gut bacteria",
    "date": "2024-05-23",
    "tags": ["#Markdown", "#HTML", "#scrollbar", "#45"]
  }
}
```

If response-failure

```
{
  "status": "error",
  "error_code": "UPDATE_FAILED",
  "message": "Could not save changes."
}
```