

## Login

Browser

```
1 { "username" : "ishaan",  
  "password" : "Krea123" }  
|
```

```
|  
|  
| ok { auth-token, profile }  
|  
|  
| {  
|   unauthorized  
| }
```

Server

```
|  
|  
|  
|  
|  
| (case I)  
| (case II)
```

Server → Browser (success)

```
{  
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXLTJ5In0...",  
  "userProfile": {  
    "username": "ishaan",  
    "displayName": "Ishaan Kurian"  
  }  
}
```

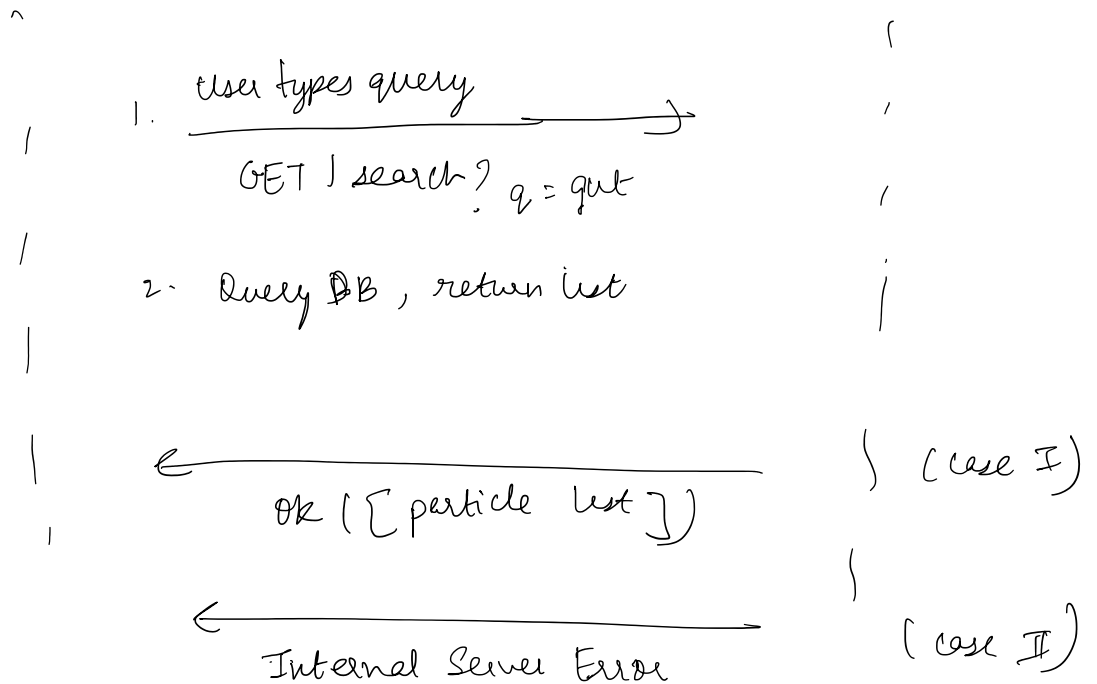
Server → Browser (failure)

```
{  
  "error": "Invalid username or password"  
}
```

## Search Particles

Browser (Search)

Server



**Browser → Server (GET /particles?query=searchTerm)**

- Sent as URL query, no JSON body.

**Server → Browser (success)**

**Server → Browser (success)**

```
{
  "results": [
    {
      "id": "p123",
      "title": "Meeting notes",
      "snippet": "Discussed project roadmap...",
      "updatedAt": "2025-08-14T08:23:00Z"
    },
    {
      "id": "p124",
      "title": "Shopping list",
      "snippet": "Milk, Bread, Eggs...",
      "updatedAt": "2025-08-14T08:20:00Z"
    }
  ]
}
```

```

    }
  ]
}

```

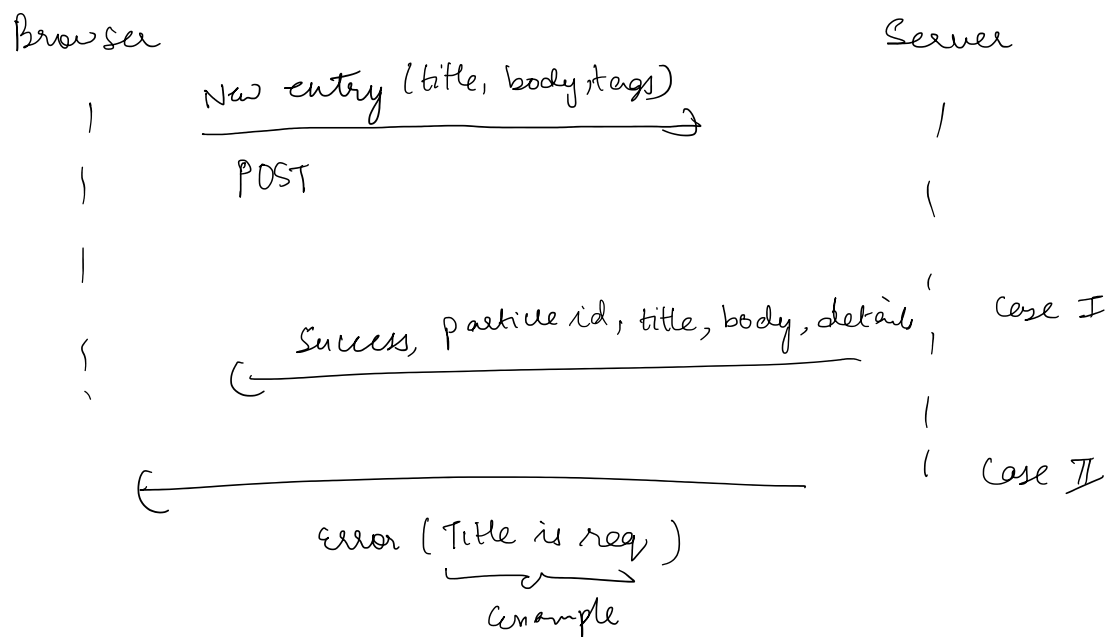
## Server → Browser (failure)

```

{
  "error": "Server unavailable, please try again later"
}

```

## Create Particle



## Browser → Server (POST /particles)

```

{
  "title": "New Idea",
  "body": "Here's a thought about the next feature...",
  "tags": ["ideas", "feature"]
}

```

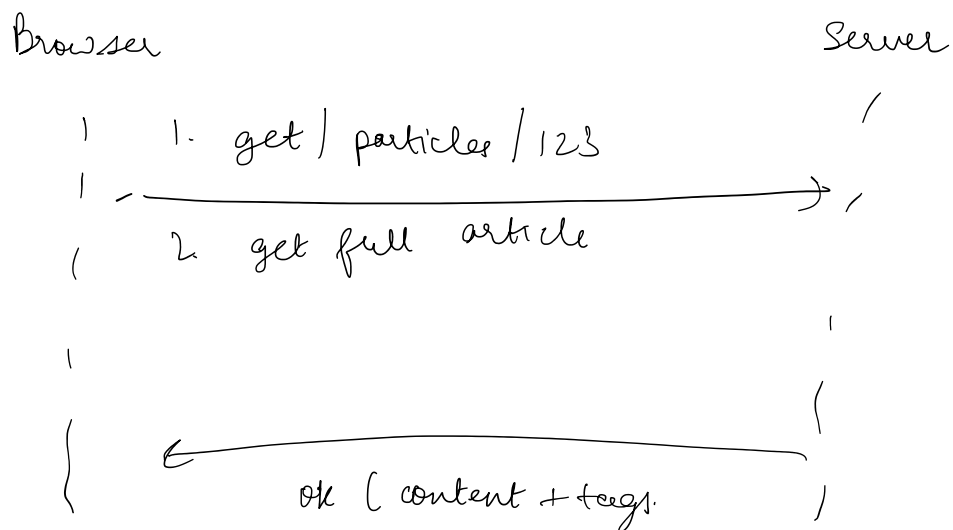
### Server → Browser (success)

```
{  
  "particleId": "p125",  
  "title": "New Idea",  
  "body": "Here's a thought about the next feature...",  
  "createdAt": "2025-08-14T08:25:00Z"  
}
```

### Server → Browser (failure)

```
{  
  "error": "Title is required"  
}
```

### View Particle



### Browser → Server (GET /particles/p125)

(no body)

### Server → Browser (success)

```
{  
  "id": "p125",  
  "title": "New Idea",  
  "body": "Here's a thought about the next feature...",  
  "createdAt": "2025-08-14T08:25:00Z"  
}
```

```

"body": "Here's a thought about the next feature...",
"createdAt": "2025-08-14T08:25:00Z",
"updatedAt": "2025-08-14T08:27:00Z"
}

```

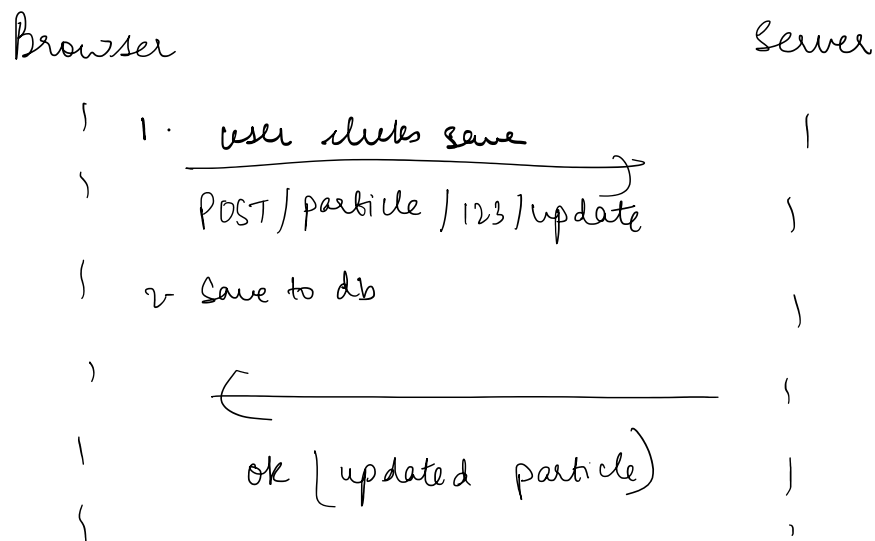
**Server → Browser (failure)**

```

{
  "error": "Particle not found"
}

```

**Edit Particle**



**Browser → Server (PUT /particles/p125)**

```

{
  "title": "Updated Idea",
  "body": "Refined thoughts after discussion...",
  "tags": ["ideas", "refined"]
}

```

**Server → Browser (success)**

```

{
  "id": "p125",

```

```
"title": "Updated Idea",  
"body": "Refined thoughts after discussion...",  
"updatedAt": "2025-08-14T09:00:00Z"  
}
```

**Server → Browser (failure)**

```
{  
  "error": "Cannot update: particle not found"  
}
```