## **User Stories for the Blog Web Application**

### **A. Account Management**

| **ID** | **User Story** | **Related Database Field(s)** |
| --- | --- | --- |
| **US-A1** | As an **unregistered user**, I want to **create an account** with my email and a password, so that I can participate as an author and voter. | users.email, users.password |
| **US-A2** | As a **user**, I want to **log in** with my email and password, so that I can access my personalized features. | users.email, users.password |
| **US-A3** | As a **user**, I want to be able to **log out**, so that my session is secured when I'm done. | N/A |

### **B. Post Creation and Management**

| **ID** | **User Story** | **Related Database Field(s)** |
| --- | --- | --- |
| **US-B1** | As a **logged-in user**, I want to **create a new post** with a title and content, so that I can share my thoughts with the world. | posts.title, posts.content, posts.owner\_id |
| **US-B2** | As a **logged-in user**, I want to **publish or unpublish my post** at any time, so that I can control when my content is visible to the public. | posts.published |
| **US-B3** | As a **logged-in user**, I want to **view only the posts I have created**, so that I can easily manage my own content library. | posts.owner\_id |
| **US-B4** | As a **logged-in user**, I want to **edit the title and content of my existing posts**, so that I can correct errors or update information. | posts.title, posts.content |

### **C. Content Discovery and Viewing**

| **ID** | **User Story** | **Constraint/Feature** |
| --- | --- | --- |
| **US-C1** | As any **user** (logged in or not), I want to **see a list of all published posts**, so that I can find interesting articles to read. | posts.published = true |
| **US-C2** | As any **user**, I want to be able to **search for posts by keywords in the post title**, so that I can quickly find topics that interest me. | Search function on posts.title |
| **US-C3** | As any **user**, I want to **view the full content of a single post**, so that I can read the entire article. | posts.content |
| **US-C4** | As any **user**, I want to see **who the author of the post is**, so that I can know whose content I am reading. | Link from posts.owner\_id to users.id |

### **D. Community Interaction (Voting)**

| **ID** | **User Story** | **Constraint/Feature** |
| --- | --- | --- |
| **US-D1** | As a **logged-in user**, I want to **cast a vote on a post I like**, so that I can show my support for the author's work. | Creates record in votes table |
| **US-D2** | As a **logged-in user**, I want to be **prevented from voting on the same post more than once**, so that the vote count remains fair and accurate. | Unique constraint on (votes.user\_id, votes.post\_id) |
| **US-D3** | As any **user**, I want to **see the total number of votes** a post has received, so that I can gauge its overall popularity. | Count of rows in votes table per post\_id |
| **US-D4** | As a **logged-in user**, I want to **clearly see if I have already voted** on a post, so I don't try to vote again. | Check for existing record in votes table |