

Team thats important - Justin Shaw, Michael Lin, Eric Lam, Ivan Galakhov  
SoftDev1 pd1  
Design Document

## Project overview: Collaborative storytelling website

Scenario One: Your team has been contracted to create a **collaborative storytelling game/website**.

Users will have to register to use the site.

Logged-in users can either start a new story or add to an existing story.

When adding to a story,

Users are shown only the latest update to the story, not the whole thing.

A user can then add some amount of text to the story.

Once a user has added to a story, they cannot add to it again.

When creating a new story,

Users get to start with any amount of text and give the story a title.

Logged in users will be able to read any story they have contributed to on their homepage (the landing page after login).

## Components

### Minimum Viable Product

- Database storage of content and profile information ✓
- Creation of story threads with a thread title ✓
- Text input and submission to story threads ✓
- Easy navigation between pages ✓
- Homepage to show stories and search for other stories ✓

### Additional Goals

- Viewable profiles ✓
- Timestamp and profile information to keep track of different thread contributions ✓
- Text formatting abilities

### Stretch Goals / Extra Features

- Modifiable profile information (profile pictures, etc.)
- Profile-profile interactions (friends etc.)

# Database Schema

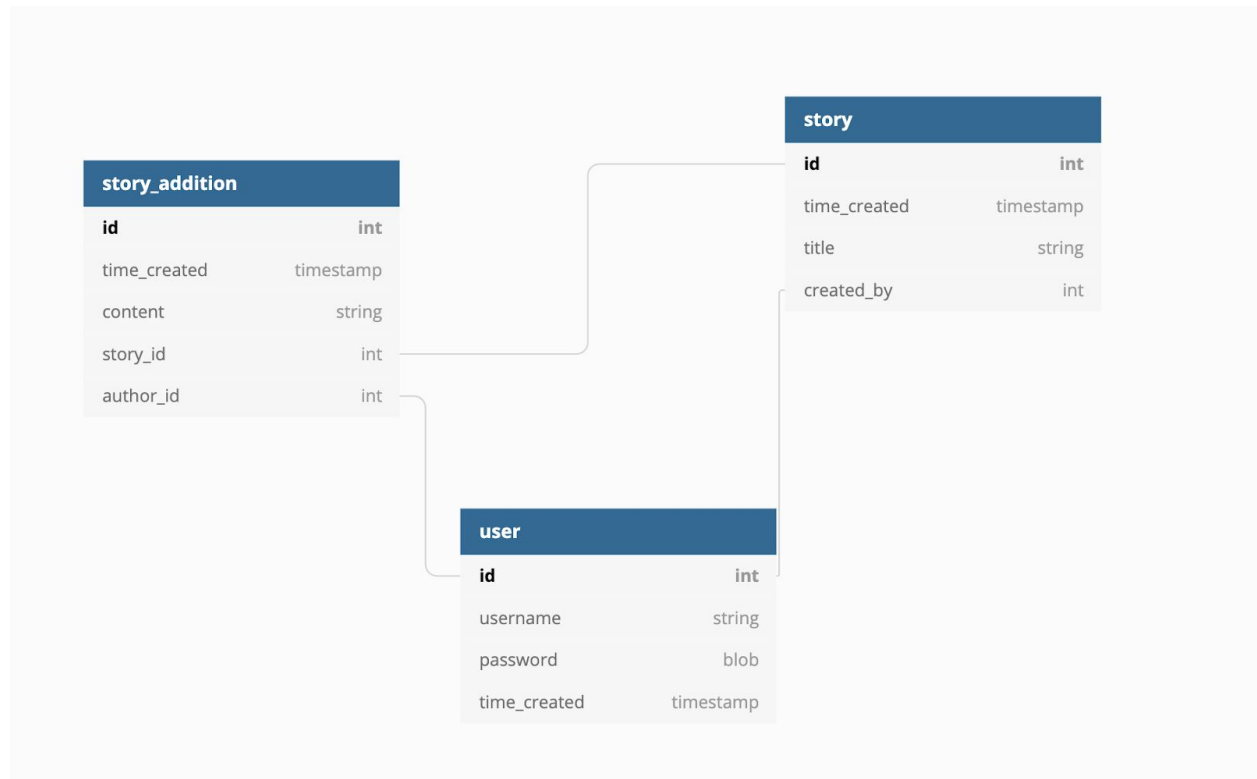


Table: users

id: primary key integer  
username: string (should be unique)  
password: blob (should be hashed)  
account\_created: integer (unix timestamp)

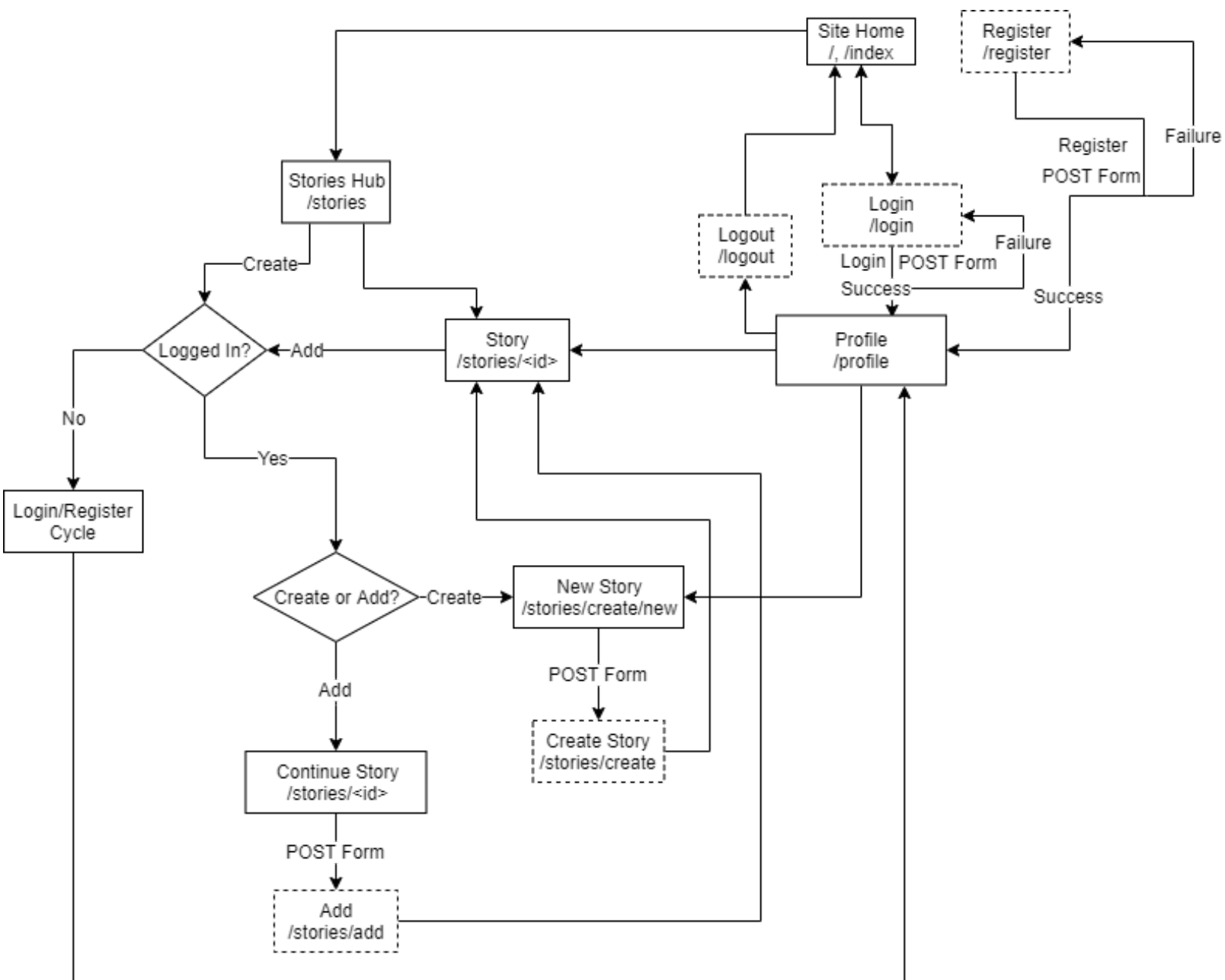
Table: story

id: primary key integer  
created\_by: user\_id

Table: story\_component

Id: primary key integer

## Site Map



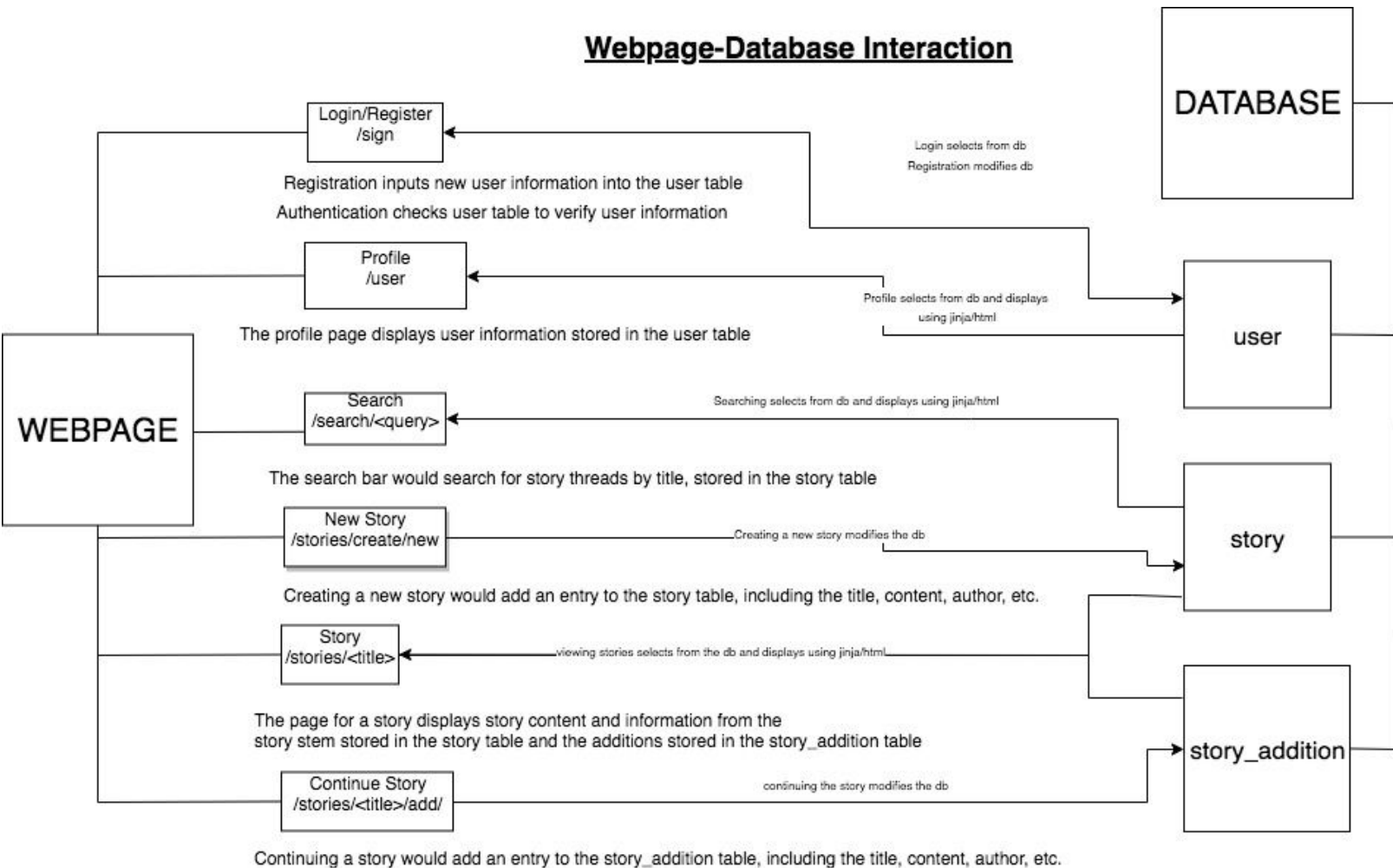
## Class Structure

User
+ id: int + username: string + password: string + time_created: string
+ validate_password(string): boolean + get_stories(): list[Story] + get_story_edits(): list[StoryAddition] + get_by_username(string): User <static> + username_available(string): User <static> + new_user(string, string) <static>

StoryAddition
+ id: int + story_id : int + time_created: string + content: string + author: User
+ new_story_addition(string, string, string) <static>

Story
+ id: int + time_created: string + title: string + author: User
+ get_additions(): return list[StoryAddition] + new_story(User, string, string): int <static> + get_all_stories(): int <static>

# Backend Component Map



## Roles

### 1. Justin - Project Manager

- Oversee project development
- Makes sure the group is consistently moving together
- Handles (minor) coding tasks

### 2. Ivan - Back-end- Database

- Manages database functionality in storing user and story information

### 3. Eric - Front-end

- Works on jinja and html templates to create an interactive webpage with a user-friendly layout

### 4. Michael - Interactions

- Works on connecting the front-end and the back-end