Team BuggyBloggers
SoftDev1 pd6
P #00: Da Art of Storytellin'
2018-10-15

Design Proposal

Team members: Cathy Cai, Tianrun Liu, Damian Wasilewicz, Jeffrey Wu

Team name: BuggyBloggers

**Team project**: a blog site

Project Manager: Damian Wasilewicz

Program Component Roles:
1. Homepage
   a. Option for login or sign ups
   b. Features blog directory with options to
      i. View other people's blogs
      ii. Edit user's own blogs, if signed in
2. Blog Page
   a. Lists the posts associated with its owner
   b. Can have multiple collaborators but only 1 owner
   c. Option to sort the posts by popularity, timestamp, and category
3. Post
   a. The basic writing components of each blog
   b. Can only have 1 writer
   c. Allows upvotes and downvotes by other users to determine the popularity
   d. Features timestamp and history of edits
4. Blog Editing Page
   a. Allows users to create a new post or edit an old post if logged in
   b. Plain text editor
      i. Heading of post
      ii. Body of post
      iii. HTML guidelines if they want control over formatting
      iv. Will be filled in if it's a post they're editing
   c. Photo uploader and formatter
5. Blog Creation Page

a. Allows users to create a new blog (each user has a default, empty blog when the account is created)
b. Options for the blog title, collaborators that can post on it, and category (Food, fashion, travel, tech, sports, and music)

Component Map
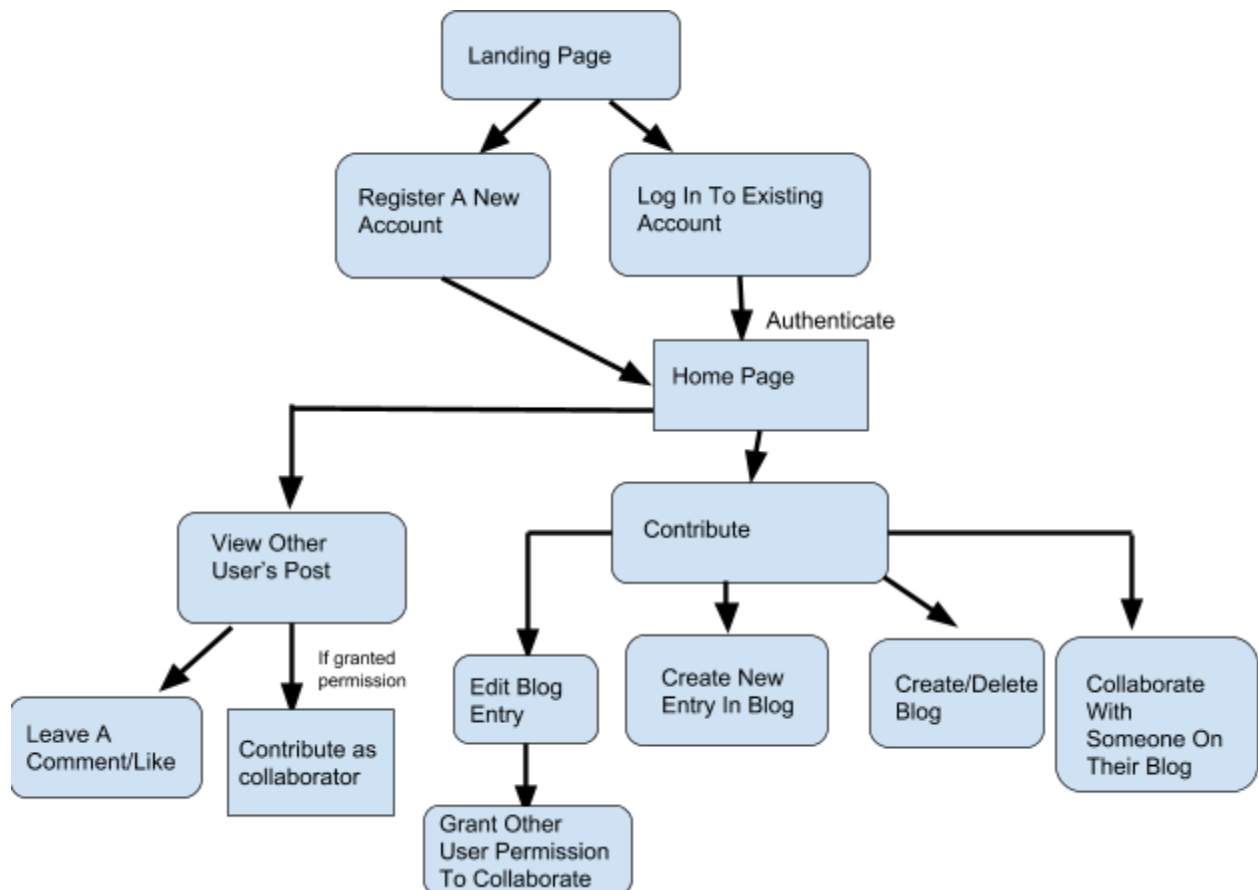
Database schema:

Blogs Table	
Field	Type
BlogID	INTEGER (PRIMARY_KEY)
OwnerID	INTEGER
CollaboratorIDs	TEXT

BlogName	TEXT
Category	TEXT

Users Table

Field	Type
UserID	INTEGER (PRIMARY_KEY)
ProfilePicPath	TEXT
Username	TEXT
PasswordHash	TEXT

Posts Table

Field	Type
PostID	INTEGER
BlogID	INTEGER
AuthorID	INTEGER
Content	TEXT (HTML File)
Timestamp	DATETIME
Votes	INTEGER

Site map:

```
                    ┌──────────────┐
                    │     Home     │
                    │  Directory   │
                    └──────┬───────┘
                           │ log in
          ┌────────────────┼────────────────┐
          ▼                ▼                ▼
   ┌────────────┐   ┌────────────┐   ┌────────────┐
   │  Person 0  │───│  Person 1  │───│  Person 2  │
   └─────┬──────┘   └─────┬──────┘   └─────┬──────┘
```

Home Directory

log in

Person 0 — Person 1 — Person 2

Blog creation page

owns, edits, or deletes   collaborates   owns, edits, or deletes   collaborates   owns, edits, or deletes

creates

Blog ← Blog ← Blog

Blog editing page

edits   creates   edits

post   post   post
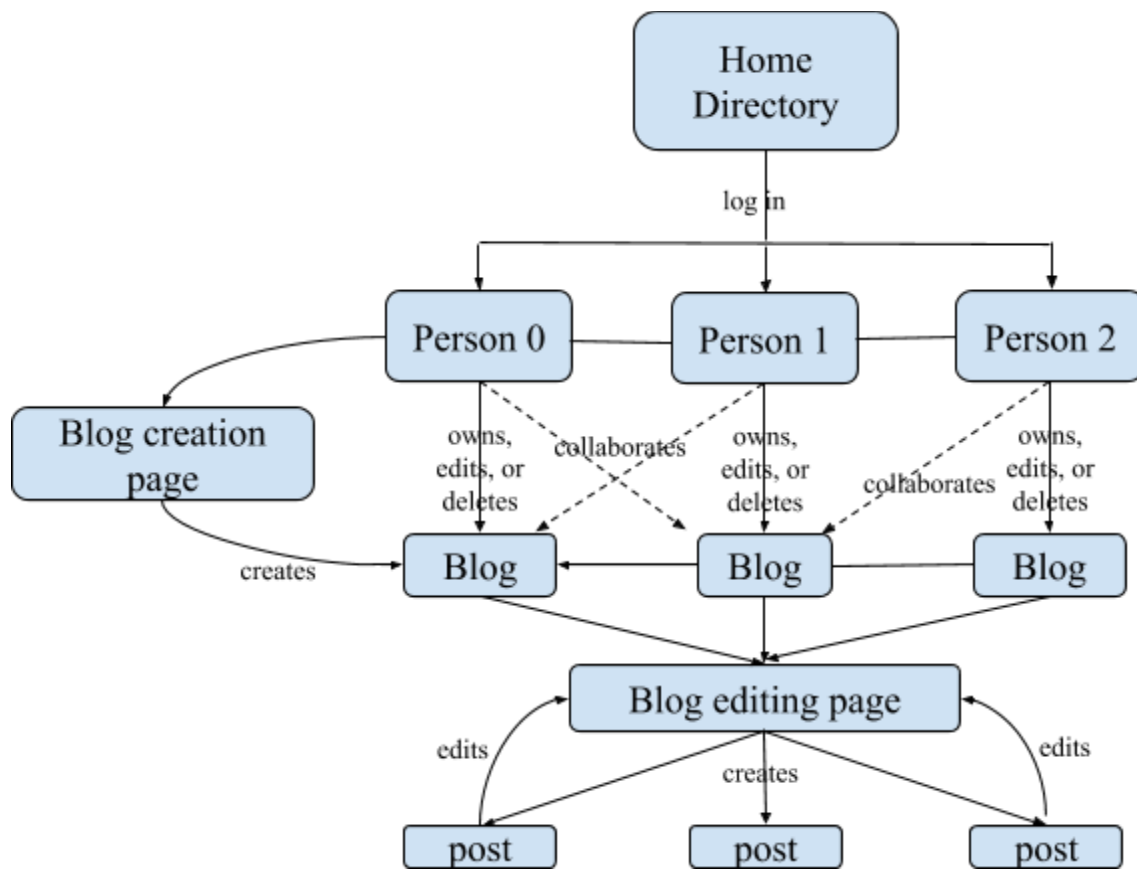
Login
Sign up

BUGGY BLOGGERS

Food Blog
read more

Fashion Blog
read more

Sports Blog
read more

News Blog
read more

Welcome Bob!
Log out

BUGGY BLOGGERS

your blogs

blog1

blog2

blog3

blog4

Food Blog
read more

Fashion Blog
read more

Sports Blog
read more

News Blog
read more

Welcome Bob!
Log out

BOB'S BLOGS

your blogs   **create**

blog1   **edit**

blog2   **edit**

                               edit
contributing to

blog3   **edit**

blog 4   **edit**

Welcome Bob!
Log out

BLOG 1

text

heading <h1>
break

bob's first blog.

picture upload

Welcome Bob!
Log out

CREATE

Name:
Collaborators:
Category:

Heading

Content

Job distribution:

Cathy Cai: Set up the structure of the database and how to populate it (how creating new blogs, new user sign ups, and blog edits will write to database)

Tianrun Liu: Create html templates, post creation and editing page, edit-logs for blogs and posts, and keep track of version history

Damian Wasilewicz (PM): New user registration, authentication, checking if user has permission to edit blog

Jeffrey Wu: Create the blog viewing interface and actions of posts (upvoting, sorting, etc.)