

Team BuggyBloggers  
SoftDev1 pd6  
**P #00:** Da Art of Storytelling  
2018-10-15

## **Design Proposal**

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

**Team name:** BuggyBloggers

**Team project:** a blog site

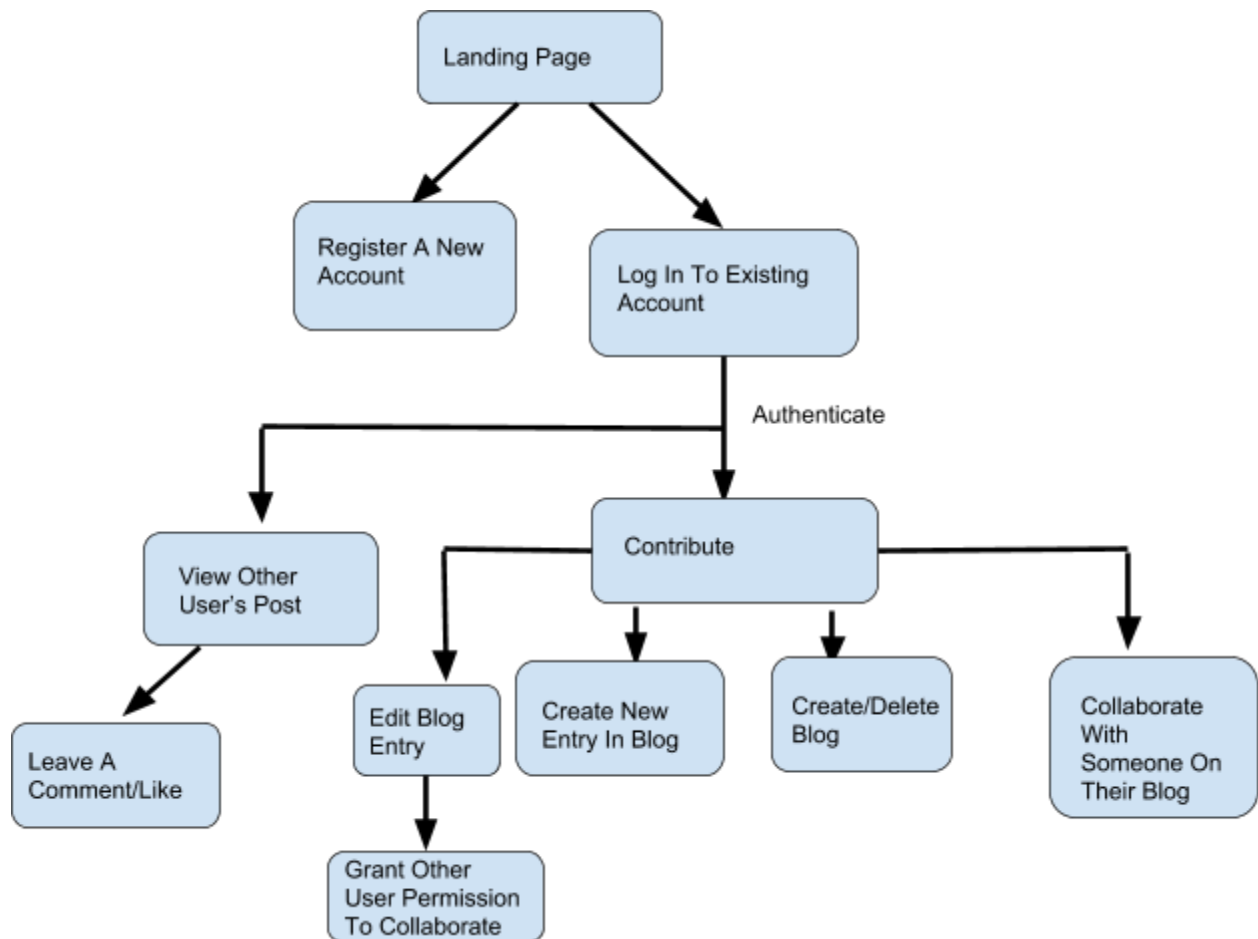
**Project Manager:** Damian Wasilewicz

### **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 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



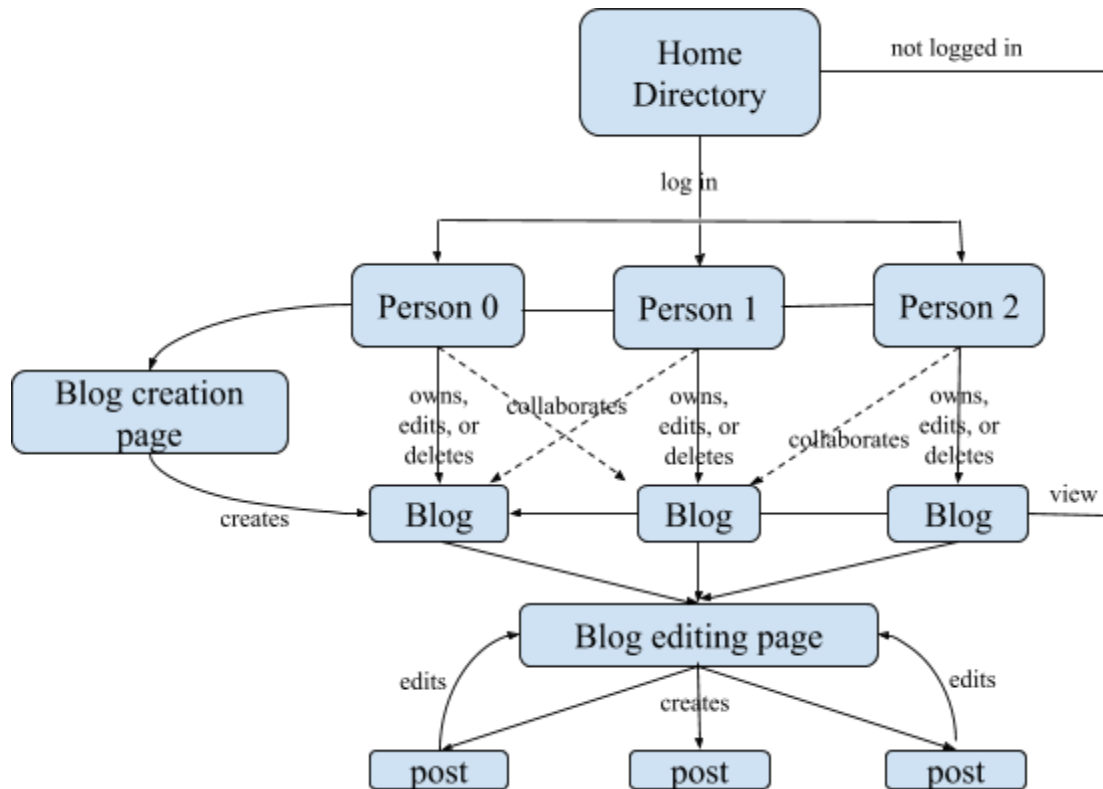
**Database schema:**

<b>Blogs Table</b>	
Field	Type
BlogID	INTEGER (PRIMARY_KEY)
OwnerID	INTEGER
CollaboratorIDs	TEXT
BlogName	TEXT
Category	TEXT

<b>Users Table</b>	
Field	Type
UserID	INTEGER (PRIMARY_KEY)
ProfilePicPath	TEXT
Username	TEXT
PasswordHash	TEXT

<b>Posts Table</b>	
Field	Type
PostID	INTEGER
BlogID	INTEGER
AuthorID	INTEGER
Content	TEXT (HTML File)
Timestamp	DATETIME
Votes	INTEGER

### Site map:



### Job distribution:

Cathy Cai: Set up the structure of the database and how to populate it

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: Maintain communication between client and server