

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

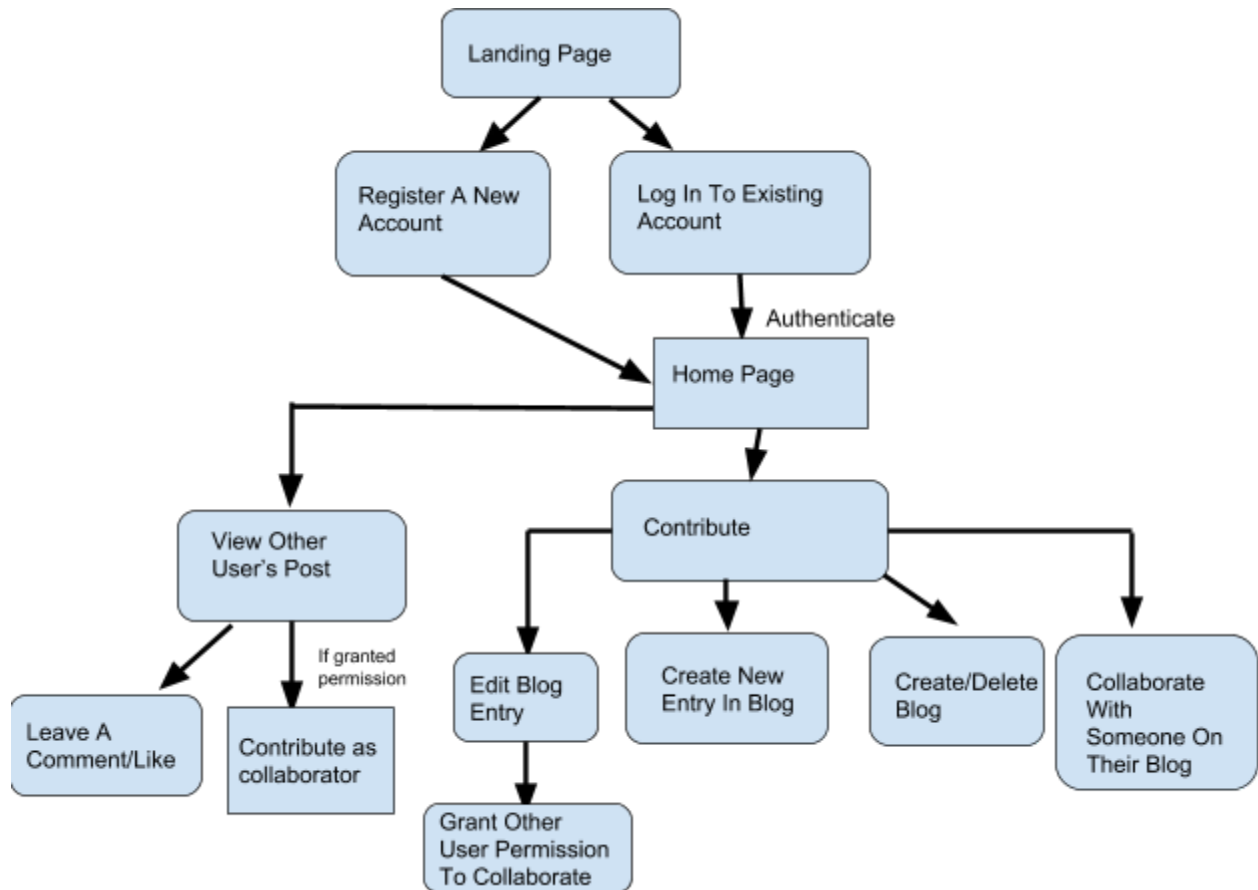
**Project Manager:** Damian Wasilewicz

#### **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

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

### Component Map



### Database schema:

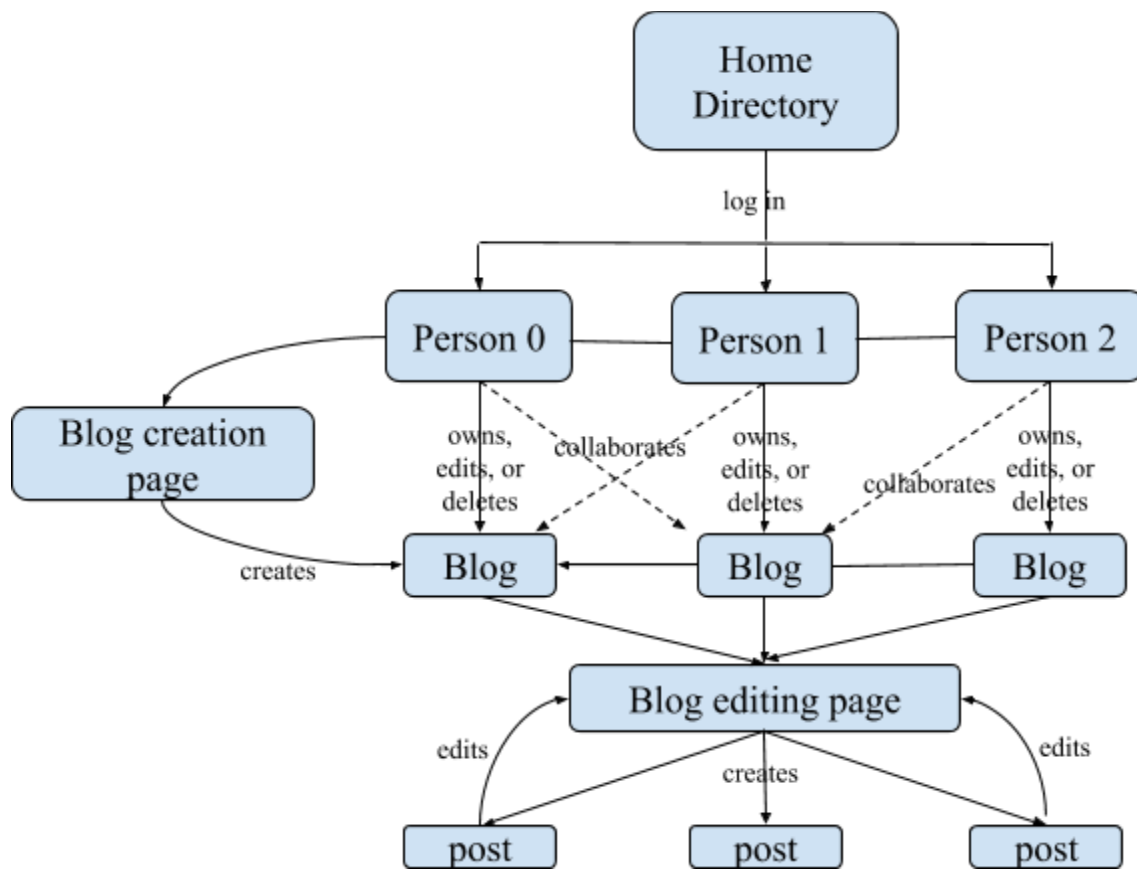
Blogs Table	
Field	Type
BlogID	INTEGER (PRIMARY_KEY)
OwnerID	INTEGER
CollaboratorIDs	TEXT

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:



<p align="center"><b>BUGGY BLOGGERS</b></p> <p><b>Login</b>          Username:          Password:          Submit</p> <p><b>Sign up</b>          Username:          Password:          Re-enter Password:          Submit</p>	<p align="center">Your Blogs Log out</p> <p align="center"><b>Welcome Bob!</b></p> <table border="1"> <tr> <td>categories</td> <td>Food Blog <a href="#">read more</a></td> </tr> <tr> <td>food</td> <td>Fashion Blog <a href="#">read more</a></td> </tr> <tr> <td>fashion</td> <td>Sports Blog <a href="#">read more</a></td> </tr> <tr> <td>sports</td> <td>News Blog <a href="#">read more</a></td> </tr> <tr> <td>news</td> <td></td> </tr> </table>	categories	Food Blog <a href="#">read more</a>	food	Fashion Blog <a href="#">read more</a>	fashion	Sports Blog <a href="#">read more</a>	sports	News Blog <a href="#">read more</a>	news		<p align="center">Home Log out</p> <p align="center"><b>BOB'S BLOGS</b></p> <table border="1"> <tr> <td>your blogs</td> <td><b>create</b></td> </tr> <tr> <td>blog0</td> <td><b>edit</b></td> </tr> <tr> <td>blog1</td> <td><b>edit</b></td> </tr> <tr> <td colspan="2">contributing to</td> </tr> <tr> <td>blog2</td> <td><b>edit</b></td> </tr> <tr> <td>blog3</td> <td><b>edit</b></td> </tr> </table>	your blogs	<b>create</b>	blog0	<b>edit</b>	blog1	<b>edit</b>	contributing to		blog2	<b>edit</b>	blog3	<b>edit</b>
categories	Food Blog <a href="#">read more</a>																							
food	Fashion Blog <a href="#">read more</a>																							
fashion	Sports Blog <a href="#">read more</a>																							
sports	News Blog <a href="#">read more</a>																							
news																								
your blogs	<b>create</b>																							
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### 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.)