

**TEAM GUDETAMA** by Derek Song, Simon Tsui, Cheryl Qian, Susan Lin

SoftDev1 pd08

Task the First: The Plan

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Components (**Backbone**):

- Homepage - Gives the users a default page to start at. From there, users will have the ability to traverse the blogs. Users will be able to browse the various blogs of the site and edit their own by adding entries.
- Database file - The database file will hold the three tables of the site. One table will hold the information of the users (username, password, and admin). A second table will hold the blog data(ID, time last edited, username, title, and text/content). A third table records the edit history(ID, blog name, edit time, previous version, username, title)
- Search functionality/results - Allows one to parse through the blogs/users to find a specific blog to visit. Will display results on a search results page
- Web page per blog - So the screen doesn't get too crowded, only one blog and its entries will be displayed at a time.
- Adding/Editing Pages - To create new blogs and update the blog over time
- Removing Pages - To remove old blogs
- Authentication - Only the user who created the blog can alter it. Changes can be monitored in the edit history table. Authentication ensures that the page is easier to maintain; edits cannot be made by anybody passing by the site.

Components (Additional):

- Admin status: can remove pages of other users
- Feed: giving each user a feed that allows them to view other blogs (randomly generated at first)
- Viewing a user's recent activity, all updates across all of their blogs]
- Keep password hidden

Database Schema:

Tables:

- Users Directory
  - Keeps track of the different users so we can authenticate, check submissions, manage updates, and link blogs to individual users. If admin = yes, they can manage other pages. If not, they are restricted to editing only their own blog.
- userBlogName
  - Because this database shares the username column with the users directory table, we can which blogs belong to who. It also contains time last edited, the content being displayed on the website, and an ID to track the blog.
- blogNameHistory
  - This table also contains the ID and title columns to keep track of which blogs are which and where entries should go

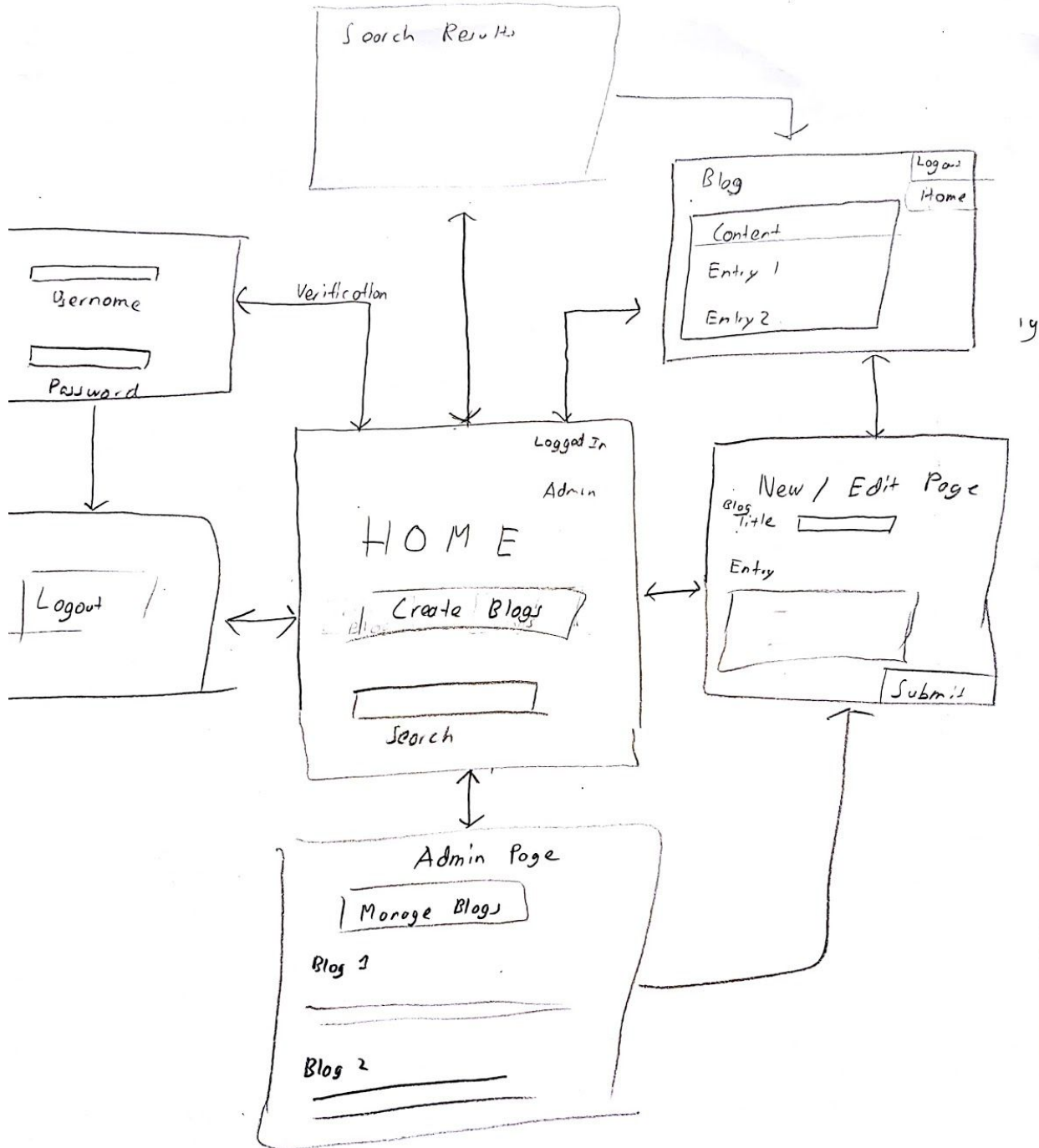
### Task Assignment

- Create the home web page (all)
- Create a template that can be used for all web pages (Simon)
- Create the login web page with authentication features (Cheryl)
- Modifying blogs by adding/editing/removing them (Derek)
- Create tables in database, with a script containing appropriate get/set methods (Susan)
- Forms and inserting input into the database tables (Cheryl)
- Search results page and returning searches from the database (Derek)
- Recording edit history with timestamps and displaying such stamps (Susan)

### Work Timeline

- Day 0 - Create design doc focusing on implementation and planning
- Day 1 - Take input in; edit the design doc accordingly.
- Day 2 - Have home, login pages working. Have logout working as well. Create a template that can be used for other pages.
- Day 3 - New/edit page and Blog viewing page is created. Form submissions will be processed into the database.
- Day 4 - Search is implemented, parsing through the database. Work on removing blogs
- Day 5 - Making pages more visible, a feed for the users and all their blog pages on their user page
- Day 6 - Admin status working.

## Site Map



# Database schema

User Blog Name

#	Date	user name	<del>id</del>	Title	text

User Blog Name History

# blog name	user name	edit version	title	time

User Directories

user name	BlogName	pass	permissions