

## Design Document

### Functionality

- User creation/authentication
- 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, not the whole thing.
  - Adds on to story with only info provided by prior update
  - Cannot add on to story after they have already added (keep track with db)
- 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).
- Search bar
  - Users/guests can search for stories using the ID# or keywords.
  - Once on a story's page, users can add on to the story.
  - Both users and guests can only see the most recent update of a story

### Team Roles

1. Arif (PM)
  - a. Management of deadlines, productivity
  - b. Creation of user accounts/authentication
2. Jen
  - a. Adding onto a story
  - b. Viewing stories after being updated
3. Shannon
  - a. Creation of new story
  - b. Search bar functionality
4. Samantha
  - a. Creation of base template and others
  - b. Required: homepage, general story template, landing page,
5. Charles
  - a. Database creation
  - b. Database updating and maintenance

### Tasks Required for Completion

- Pages:
  - A base template with a navigation bar
  - Different displays based on the type of page
  - Jinja placeholders for variable content

- Login/Account creation system
  - Database needed to authenticate login
  - Accounts need to be added to db upon creation
  - Option to change password or username
- Search the site for stories
  - Keywords in story determined by frequency (disregarding prepositions, pronouns, etc.)
  - Title and ID of story are searchable
  - Only able to see full story if logged in and a contributor
- Add on to a story
  - Can only add on if not already a contributor
  - Only view the most recent update (last entry of list of updates in story database)
  - Form to submit additions
- Creation of a story
  - Write a story with title and content
  - Update story db and contributor status
  - Form to submit new entry into story db
- Database must be continually maintained
  - Backups? and updates

#### Database Schema:

##### *User authorization*

username	password
aesop_admin	password123

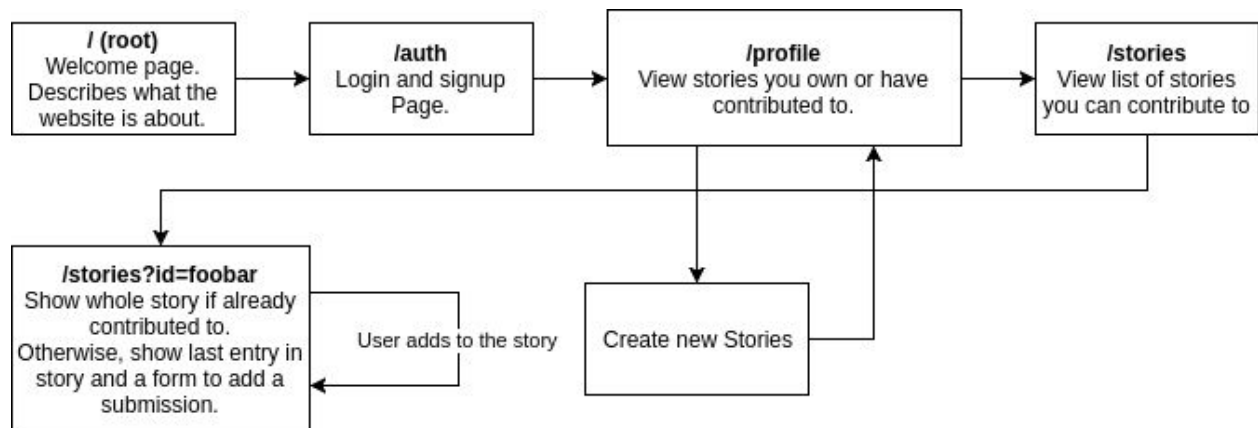
##### *Website stories*

Story ID#	Entries (list) [first element is title]	Contributors (list, corr with entries)
210	["The Botanist", "The bear found a plant in the woods.", "'That's an interesting plant' he said to himself.", "He then made a porridge with the plant."]	[NULL, user123, dantheman, _wOkE_]

##### *User Profiles*

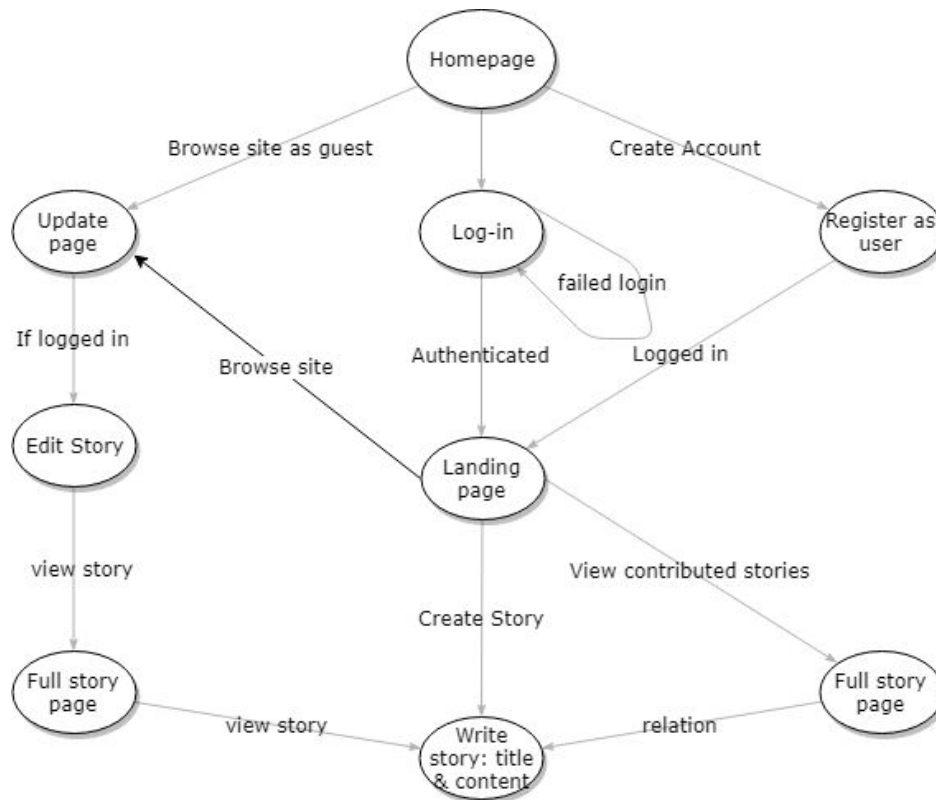
username	nickname	Story ID# (contributed)	Contributed entries
_wOkE_	Nifer	[210, 331]	["He then made a porridge with the plant", "And he dropped into the ocean and sank to the floor."]

### Site map:



The user first logs in. Then they are taken to their profile page where they can view stories they have contributed to. From there they can either create a new story or contribute to a new story.

### Component map



This diagram shows how the different components of the site interact with each other. Certain credentials are needed to perform tasks, and there are pathways to take in order to update, create or view a story.