

Team Spicy Churros

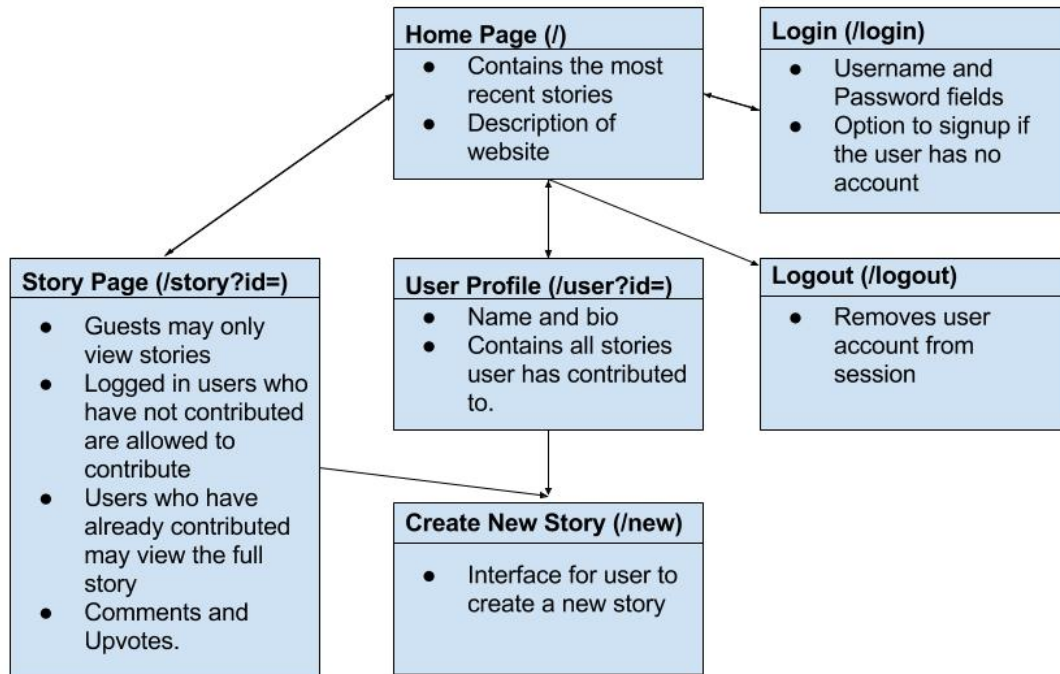
Project 0: Our Story

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Period 9 Software Development

Components:

- Home Page (/)
 - A description of this website and what it does.
 - A login form and a signup form
- Help page that lets people know how to use the site (/help)
- About the User Page (/user?id=)
 - A list of stories the user has created, as well as their full name and bio
 - Users who log in through the home page will be redirected to their own page
- List of Unfinished Stories (/stories/unfinished)
 - A list of links to story pages
 - Can be filtered using query strings. Adding ?genre= will filter by genre. Adding ?sort=a will list them alphabetically, or to sort by popularity add ?sort=p, or to sort by most views add ?sort=v, or ?sort=d for recent
- List of Finished Stories (/stories/finished) [See above for query data]
- List of All Stories (/stories) [See above for query data]
- Story Page (/story?id=)
 - For guests(users who have not logged in) the story is set to *viewable* if the story is finished (*viewable* has to do with html). If the story is not finished, they will only see the title.
 - For users logged in who have not yet contributed to the story, only the introduction and the part added by the last contributor is shown
 - For users who have logged in and have contributed to the story, the whole story is displayed, as well as the option to create a spinoff/branch the story
 - Will have a button to like/upvote the story. Each user can only do this once per story, and can rescind their decision at any time by clicking it again.
 - The creator of the story can always see the whole story and will have access to a button that closes the story for additions, marking it finished.
- Logout Page (/logout)
 - Deletes session and brings you to the home page.
- The database (/ourDB.db)
 - See the schema for which tables this will contain
- New Story Page (/create)
 - Prompted for a title, genre, introduction, word limit and cooldown (see schema for details)

Site Map:



Database Schema:

Table of all users. The name of this table is *users*. Columns:

- **username:** TEXT Alphanumeric string that serves as the identifier for individual users. Can be seen publicly through the user's profile or through their finished stories.
- **password:** TEXT Alphanumeric and special character string that serves as the key to a user's account. Must have a minimum of 6 characters. Would be encrypted.
- **full_name:** TEXT Alphabetic string that contains the user's full name. Can be left blank.
- **likes:** TEXT a space-separated list of numerical story IDs. This is a list of every story the user has liked/upvoted. This will prevent the user from liking the same story more than once.

Table of all the stories. The name of this table is *AllStories*. Columns:

- **title:** TEXT, name of the story, given by the creator.
- **creator:** TEXT, username of the creator of the story.
- **Id:** INTEGER PRIMARY KEY, every story is given a unique, numerical id number that can be used to easily access the story on the back-end.
- **genre:** TEXT the genre of the story, as specified by its creator.
- **word_limit:** INTEGER the word limit for each contribution made. A positive value indicates that each contribution must be of that length, while a negative value indicates that contributions can be less than but at most the absolute value of that length.
- **cooldown:** INTEGER the number of contributions that have to be made in between consecutive contributions by the same user. Ex: if cooldown is 10, and user A already contributed, ten other users must add to the story before A can contribute again. Can be negative so that each user can only contribute once.
- **contributions:** INTEGER the number of contributions made to this story. It should be equal to the length of the table that contains the list of contributions for this story.
- **finished:** INTEGER either 1 if the story is finished or 0 if additions can still be made.
- **likes:** INTEGER the number of likes this story has received.
- **views:** INTEGER the number of times the story has been viewed.

For each story, there will be a table containing every contribution made to it. Every contribution will be a record. The name of the table should be *story_id* where “id” is the numerical id of that story, eg *story_42*. Columns:

- **version_num:** INTEGER PRIMARY KEY is the index of that contribution in the list that comprises the story. So the record with a version of 0 would go first, since it is the beginning of the story; then one with version=1, which would be the next addition to the story; etc.
 - **contributor:** TEXT the username of the person who was responsible for this addition.
 - **text_contributed:** TEXT the text that a contributor writes
 - **when:** TEXT the date and time when this contribution was made. Will use the standard python datetime formatting.
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Features

Yellow highlighted parts = necessary everything else will be considered at the end

- Choose number of words every contributor gets to add
- Creator can end the story whenever they want to, or set a word limit, or contributors can ask the creator to end the story there
- Option to filter profanity
- Infinite intro length for new stories
- Report misbehaving users
- Branch story, include link to the branch in the original story
- Option to let contributors see the intro as well as the last addition
- Guests can view finished stories, must be logged in to do anything else
- Every story must have genres, almost like tags
- Finished stories have popularity (upvote/downvote). You can list stories by popularity
- Add comments to finished stories
- Users vote on Story of the Week/Day
- List of past stories of the week/day
- Users should be able to see which stories they contributed to
- Public user profiles. Should include a bio and their stories
- Stories can either be One-And-Done or let a user contribute again after a certain number of others have taken turns adding
- Help page and a Code of Conduct
- The creator of a story can specify a custom background color for it
- Add option to set limit on number of additions

Roles

William - Writing the databases and writing methods to facilitate reading and writing to and from the database. Ensuring that

Max - Project Manager. Will be coordinating deadlines and coding conventions.

Jenny - organizing display of stories (genre, popularity), designing user profiles, and making HTML forms related to story creation.

Michael - Flask app developing - Use templates and other python modules to create a flask app. Organize routing and sessions. Implement message flashing to give user feedback, such as warning a user about word count or incorrect login credentials.