

Odyssey by Team bendyStraws

Project Objective:

The overall goal of the project is to create a collaborative storytelling game/website where registered & logged-in users can use the website to create new stories or add to existing ones.

List of Required Program Components:

Content:

- Home Page: The home page will only be accessible once the user is logged in. It will display a list of stories that the user has contributed to and can be fully read. There will also be two links/buttons: one to start a new story, and one to add to an existing story.
Data needed: List of stories user has contributed to (users-edits table for the logged in user).

Actions:

- Read: The user can select and read the stories that they have already contributed to from the home page.
Data needed: The entire text of the story (all contributions). This is done by iterating through the content field of the table for the story which the user is currently viewing.
- Add to Story: The user can read the latest update to the story, and then add some amount of text to the story.
Data needed: The most recent contribution to the story, which is the content field of the last record in the table for the story which the user is currently adding to.
Data created: The text this user contributes to the story will be stored in a new record in the individual story's database table. Also, in the current user's Individual User Table, in the record for this story, the edited field will be set to 1.
- Create Story: The user will need to input some text for the initial content of the story and for the title.
Data created: A new record will be added to the Story Masterlist with the name and a formatted name. Then a new table will be created for the story, and the content of the story and the author will be stored as the first record in this new table. Also, a new record will be added to each Individual User Table, and the Edited? field will be set to 1 for the user that created the story, and 0 for every other user.

User Accounts:

- All users must register to use the site.
Data needed: Usernames and passwords from users table.

- If the user is not logged in, they will be directed to the login page.
 - On the login page there is an option to sign up.
- Data created:* A new record in the users table. In addition, a new Individual User Table will be created for this user. A new record in this table will be created for each story in the Story Masterlist, and Edited? will be set to 0.

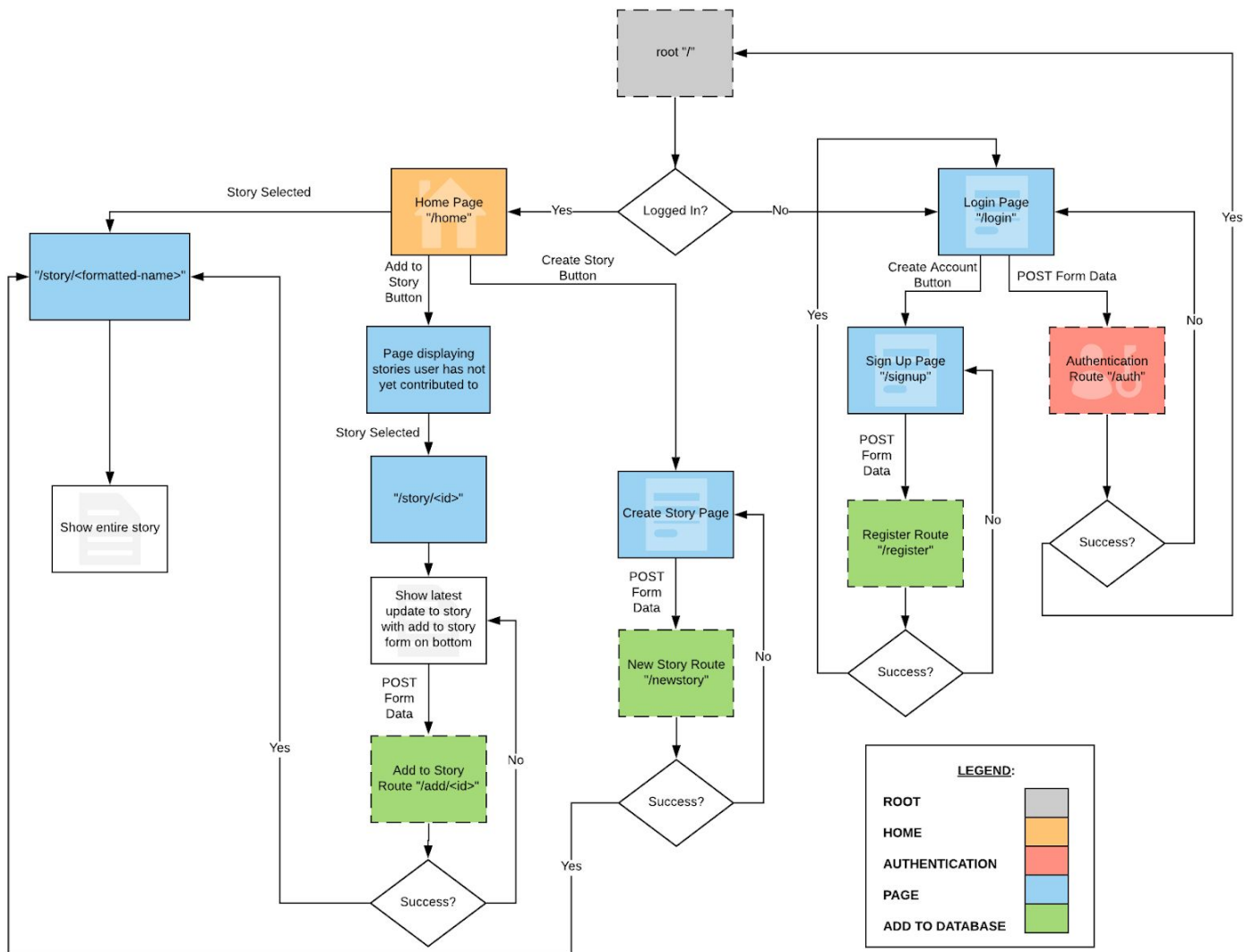
Optional Components:

- navigation bar (link back to home page, logout button)
- search bar
- upvotes and timestamps
- hashing passwords

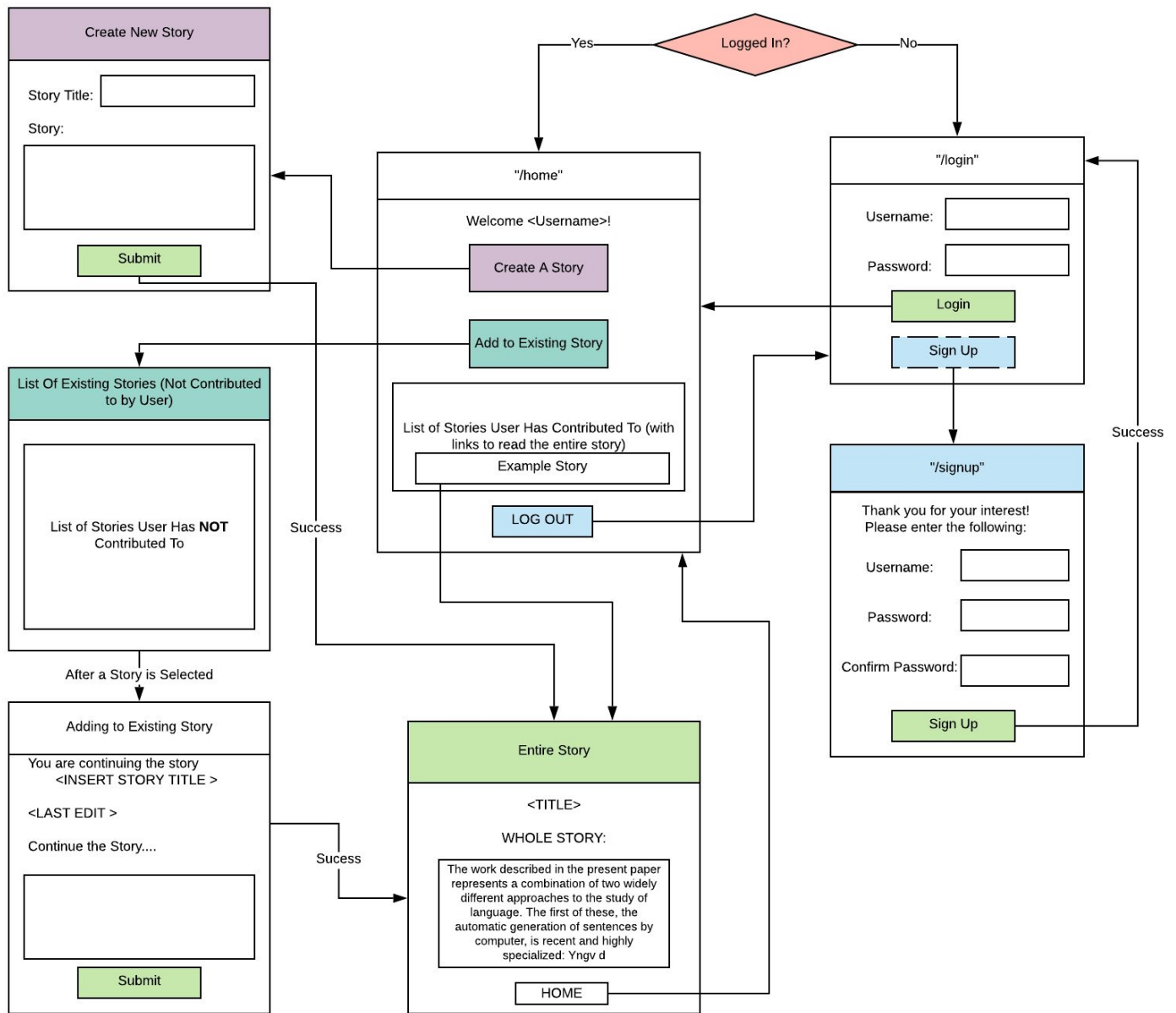
Database Tables:

1. Story Masterlist: The masterlist of all stories, each with a unique ID number.
2. Individual Story Tables: Each story will have its own table named after a formatted version of its title that stores all of its edits and contributor information. Each edit in a given table will have a unique ID based on chronology.
3. User Info: Stores users' usernames and passwords.
4. Individual User Tables: Each user will have their own table named after their username that stores all of the stories and whether or not they have edited it with a 0 or 1 representing false or true.

Site Map:



Site Components:



Database:

Story Masterlist: (This is the main database)

ID PRIMARY_KEY	Name	Formatted Name
0	"Hello world"	"hello-world"
1	"A Cool Story"	"a-cool-story"
2	"Why Softdev is cool"	"why-softdev-is-cool"
3	"How to learn Java"	"how-to-learn-java"

Table **hello-world**:

ID PRIMARY_KEY	Editor	Content
0	TheLastStraw	"Once upon a time ..."
1	bendyStraws	"A chicken crossed the road"

Table **a-cool-story**:

ID PRIMARY_KEY	Editor	Content
0	BendyStraws	"Once upon a time ..."
1	StrawBerry	"A chicken crossed the road"
2	TheLastStraw	"To get to the other side!"

Users Masterlist:

ID PRIMARY_KEY	Username	Password
0	"TheLastStraw"	1234
1	"bendyStraws"	pleasehackthisaccount
2	"StrawBerry"	password
3	"StrawsAreBendy"	password1234

User-Edits table: (Each user has a corresponding edits table)

Story ID (from Story Masterlist)	Edited? (0 false, 1 true)
0	1
1	0
2	0
3	1

BREAKDOWN OF TASKS

- > Kevin Cai (KC)
- > Tammy Chen (TC)
- > Kazi Jamal (KJ)
- > Lauren Pehlivanian (LP)

I. Minimum Viable Product

- A. (TC) Authentication: Manage creating new users, and authenticating users when they want to log in.
- B. (LP) Home Page and Reading Stories: Create home page, manage displaying stories user has contributed to and the interface for reading those stories.
- C. (KJ) Creating Stories: Create page for creating new stories with a form, route for handling creating a new story, and manage adding new stories to the database.
- D. (KC) Adding to Stories: Create page for displaying stories which the user has not contributed to with links to add to each one, route for handling adding those stories, and manage the process of adding new records for edits to the database.

II. Extra Features (not delegated yet, we will see what time allocates us to do)

- A. Navigation Bar: Create a navigation bar with link back to home page and button to log out.
- B. Search Bar: Create a search bar to search through stories with key words.
- C. Upvotes and Timestamps: Add upvotes to stories on the home page, and timestamps to contributions.
- D. Hashing Passwords: Hash passwords before storing them in the database for increased security

ROLES

- > Kevin Cai (KC): Adding to Stories System Manager
- > Tammy Chen (TC): Project Manager, Authentication System Manager
- > Kazi Jamal (KJ): Creating Stories System Manager
- > Lauren Pehlivanian (LP): Home Page and Reading Stories System Manager