TNPG Metamorphosis: Maya, Yuki, Sasha, Eric
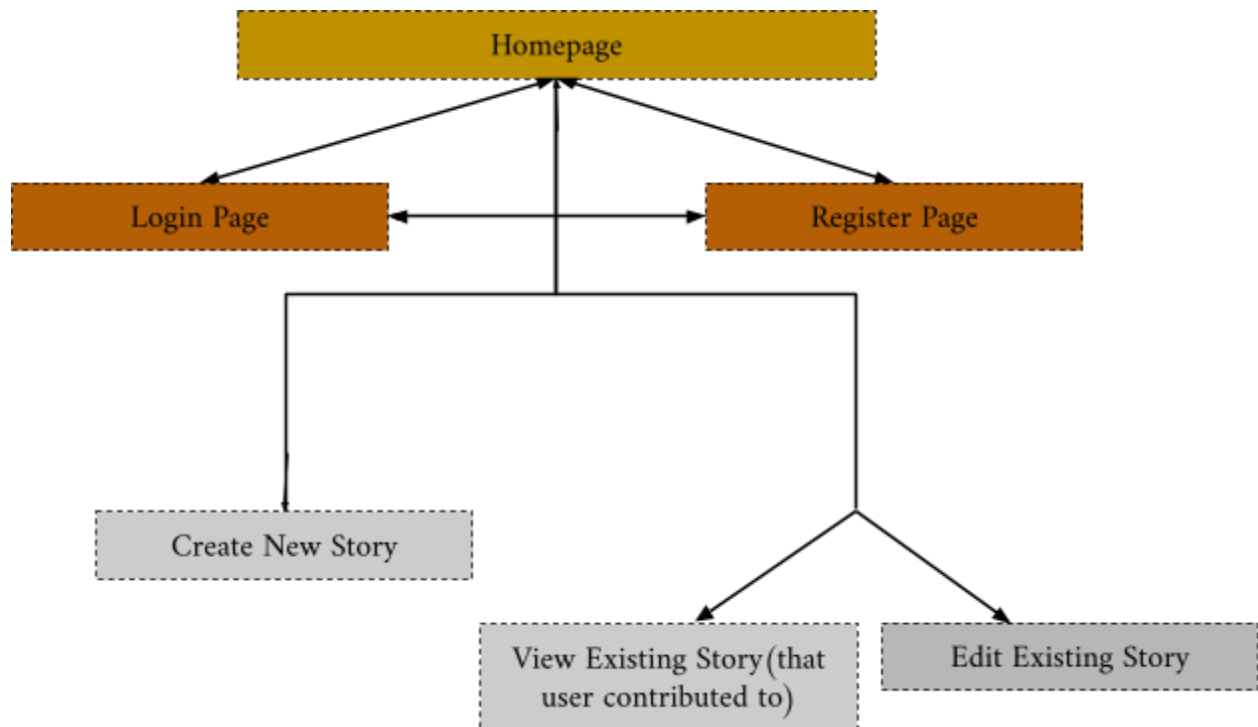
SoftDev: pd.8

P00: Design Doc

Assignment task: make a storytelling website using Python, Flask, & SQL

Target ship date: 2022-11-15

Web pages:

Homepage

- Ask user to register or login if logged out
- If logged in,
    - Link to create a new story
    - Change login button to log out
    - Direct them to the stories they created or have previously added to
- If user needs to register:
    - Link to the register page

Register

- Direct to form where information will be asked:
    - Username (check if not already in use)
    - Password with at least 4 letters
- Upon submission of this form, user will be asked to reload page and log in using their new account that they made
    - We would prefer that upon clicking submit button, the page just brings them to the login page
- The info they input will be sent to a SQLITE database and stored there securely

Login

- Direct to form where information will be asked:
    - Username
    - Password
- Info will be retrieved from SQLITE database, if exists and if username matches with password, and user will be directed to homepage if the login succeeds

Creating a new story

- Check if there is already a story with the same name
- Python - add story title, content, latest addition to database

Displaying stories

- HTML template to display the stories
- Python module to get story content from database into the HTML

Editing story

- HTML template to display the stories

- Check if **Story Authors** column contains username already; if it does, user can't make more changes to story
- Flask - display the most recent addition to user
- Python - get text in textbox (post request) and input it into database

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Tasks:

Eric: Databases

Story title	Story author(s)	Story text	Latest addition
Name of story	Add name for every contributor	Entire story so far(including latest addition)	What gets displayed on the edit story page
**attempts to create a new story with an existing name will fail (check if name exists in table column)	** contributors will have full access to the story. ** username will be added to an existing string of authors, ending with \n. Python reads string into set	** Story text will be updated with content in the latest addition when there is a new latest addition.	

Username	Password
Username that user inputs upon registering, will be used to login	Store password as a hash, not just plaintext
**After logging in, users will be directed to the home page.	

Yuki: CSS + HTML

Maya & Sasha: Flask and Python